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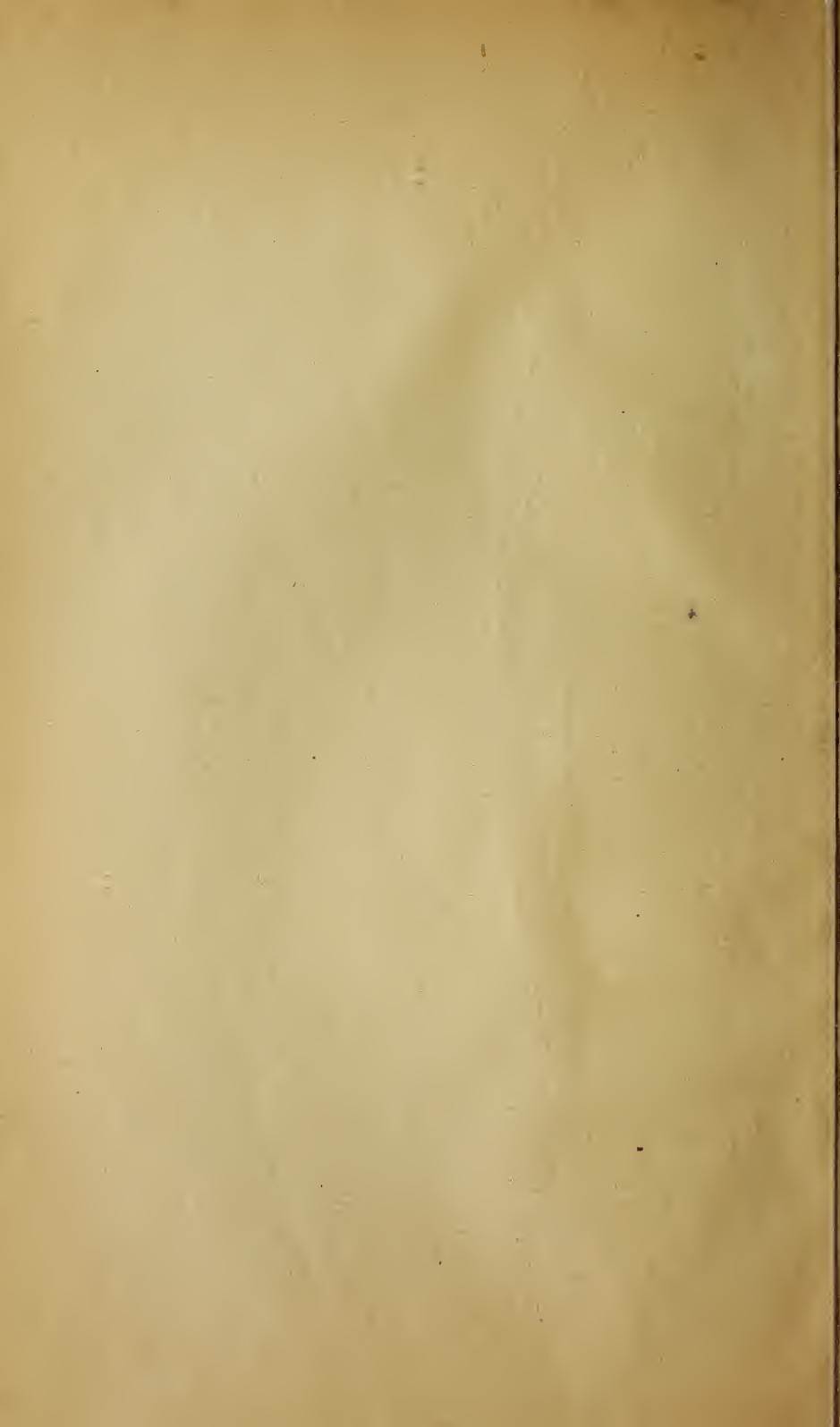


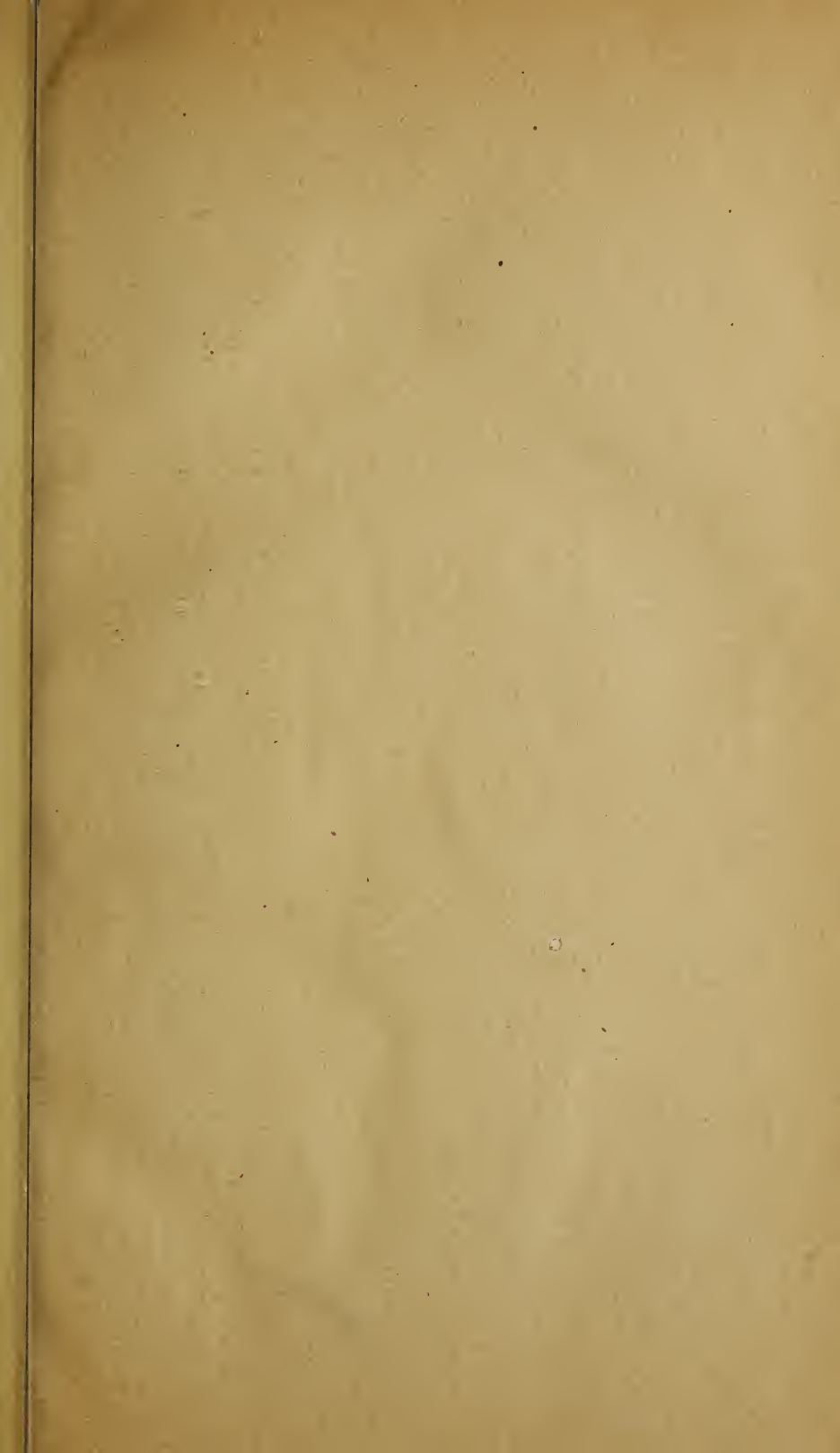
ALLEN COUNTY PUBLIC LIBRARY

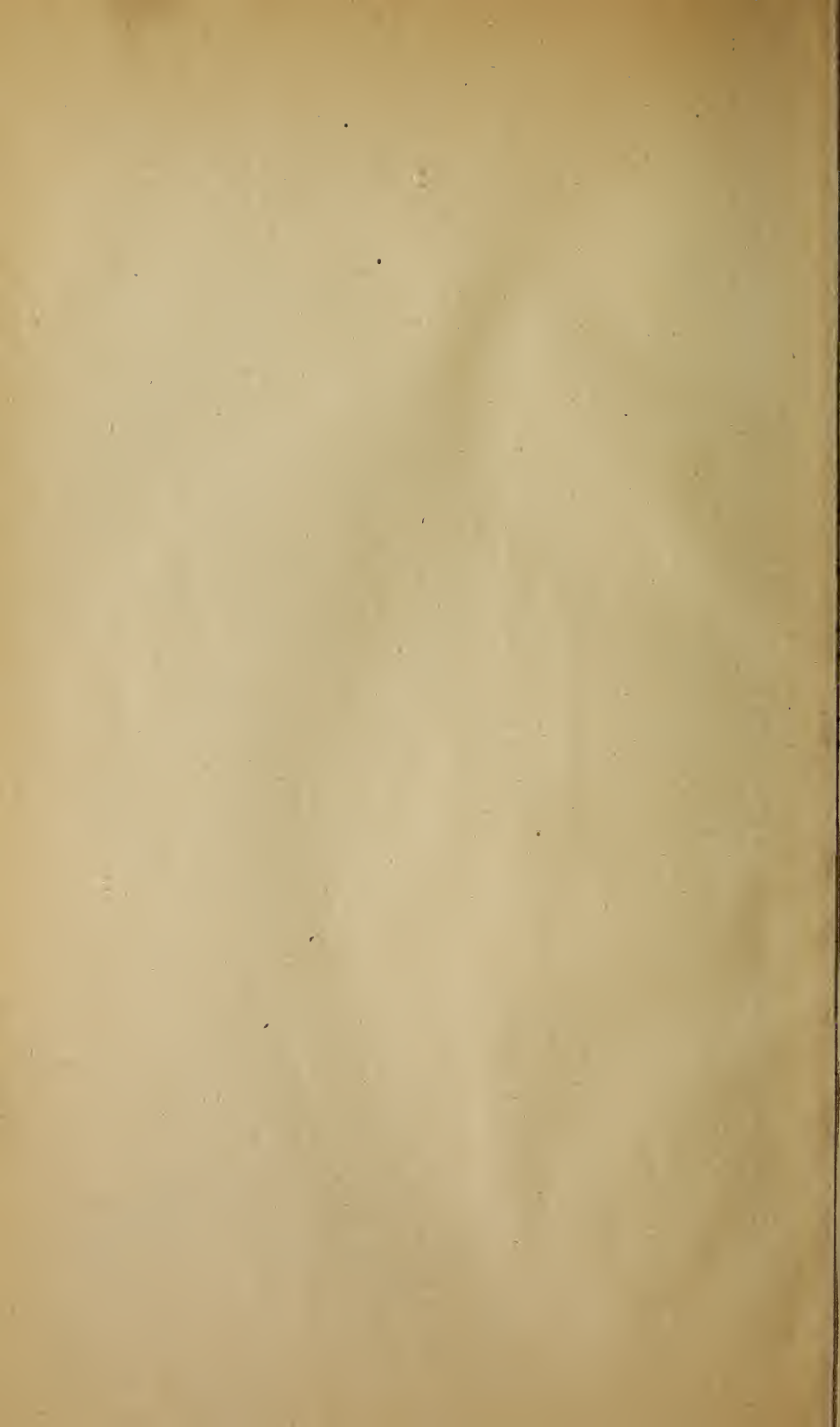


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TWENTY-FIRST  
ANNUAL REPORT  
OF THE  
CITY OF BURLINGTON,  
VERMONT,  
FOR THE  
Year Ending December 31, 1885.



BURLINGTON:  
R. S. STYLES, PRINTER.  
1886.

## RESOLUTION.

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Resolution relating to the publication of the Twenty-first Annual City Report, introduced by Alderman Holton, in the Board of Aldermen, at a meeting held on the 4th day of January, 1886, and adopted in the words following :

### CITY OF BURLINGTON.

In the year one thousand eight hundred and eighty-six :

*Resolved*, by the City Council of the City of Burlington, as follows :

The City Clerk is hereby directed to prepare for publication the Annual Reports of City Officers, for the year ending December 31, 1885, with such other matter as is usually published in the City Reports, and by and with the advice and direction of the Committee on Printing and Publication procure printed 1200 copies thereof for general distribution ; and that said copies be printed ready for such distribution by the 15th day of February, 1886.

Approved January 5th, 1886.

U. A. WOODBURY, Mayor.



# CITY GOVERNMENT.

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MAYOR,  
URBAN A. WOODBURY.

## ALDERMEN.

WARDS.		Term expires.
1	ELIHU B. TAFT,.....	1886.
	SAMUEL S. WATSON.....	1887
2	JOEL H. HOLTON,.....	1886.
	EDWARD J. BOOTH,.....	1887.
3	CHARLES' J. ALGER,.....	1886.
	JOHN W. KELLY,.....	1887.
4.	HIRAM WALKER,.....	1886.
	ALBERT G. PIERCE,.....	1887.
5	J. W. GOODELL,.....	1886.
	H. K. WEAVER,.....	1887.

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President of the Board of Aldermen,

ELIHU B. TAFT.

Regular meetings of the Board, first Monday in each month.

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## STANDING COMMITTEES.

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### ON WATER DEPARTMENT.

ALGER,                      GOODELL,                      WALKER.

### ON FIRE DEPARTMENT.

GOODELL,                      PIERCE,                      HOLTON.

### ON STREET DEPARTMENT.

ALGER,                      WALKER,                      PIERCE.

### ON ACCOUNTS AND CLAIMS.

HOLTON,                      ALGER,                      BOOTH.

### ON PAUPER DEPARTMENT.

WATSON,                      KELLY,                      WEAVER.

### ON PUBLIC BUILDINGS AND PARKS.

PIERCE                      BOOTH,                      HOLTON.

### ON PRINTING AND PUBLICATION.

KELLY,                      HOLTON,                      WATSON.

### ON SCHOOLS AND LIBRARY AFFAIRS.

BOOTH,                      WALKER,                      ALGER.

### ON HEALTH.

WEAVER,                      WATSON,                      GOODELL.

### ON LIQUOR AGENCY.

PIERCE,                      WEAVER,                      KELLY.

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CITY TREASURER,  
GREENE D. WELLER.  
City Hall.

CITY CLERK,  
T. C. PEASE.  
City Hall.

CITY ATTORNEY,  
W. L. BURNAP.  
Office, Court House.

CONSTABLE,  
And Collector of State and County Taxes,  
LOOMIS J. SMITH.  
Office in City Hall Building—basement.

CHIEF OF POLICE.  
E. S. ADSIT.

HEALTH OFFICER.  
JO H. LINSLEY.  
Office, 109 St. Paul Street.

ENGINEER AND SURVEYOR.  
V. G. BARBOUR.  
Office, No. 6 City Hall Building.

GRAND JUROR.  
D. J. FOSTER.

CITY JUDGE,

SENECA HASELTON.

Court Room—City Hall Building.

CLERK CITY COURT.

W. H. HARE.

Office, No. 8 City Hall Building.  
  
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## FIRE DEPARTMENT.

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CHIEF ENGINEER,

LOWELL C. GRANT.  
  
—

First Ass't. WILLIAM DENNING.

Second “ F. E. PERKINS.

Third “ JAS. E. BRADLEY.

Fourth “ J. L. MURDOCK.  
  
—

FIRE WARDENS.

Ward	1	GEO. W. KILLAM.
“	2	J. J. BIGELOW.
“	3	OLIVER VERRAN.
“	4	H. E. WOODBURY.
“	5	B. F. OSTRANDER.

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FENCE VIEWERS.

J. VAN SICKLEN, F. E. PERKINS.

SEALER OF WEIGHTS AND MEASURES.

THE CITY TREASURER.

JANITOR OF CITY HALL.

G. D. WELLER.

CEMETERY COMMISSIONERS.

JOHN A. ARTHUR,

At Custom House. Term expires 1887.

ELI POQUETTE,

At Lake View Cemetery. Term expires 1888.

HILAS ROBY,

So. Union Street. Term expires 1886.

ASSESSORS.

S. M. POPE,

C. A. SUMNER,

MORILLO NOYES.

AUDITORS.

MICAH H. STONE,

GEO. W. BECKWITH,

D. A. BRODIE.

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The term of office of the Mayor and Aldermen commence the 1st Monday of April, and Assessors the 1st day of April.

CEMETERY COMMISSIONERS.—One elected each year for a term of three years, from April 25th. All others of the foregoing named officers, one year from April 25th, 1886.

# SCHOOL DEPARTMENT.

## BOARD OF SCHOOL COMMISSIONERS.

WARD.		Term expires.
1	CHAS. E. ALLEN,-----	1886.
2	H. H. DAVIS,-----	1887.
3	WILLIAM HOGAN,-----	1886.
4	J. C. RUTHERFORD,-----	1887.
5	D. J. FOSTER,-----	1887.

## CLERK OF BOARD.

CHARLES E. ALLEN.

Regular meetings First Friday of each month, at 7.30 P. M.,  
at the office of Superintendent of Schools.

## SUPERINTENDENT OF SCHOOLS.

HENRY O. WHEELER.

Office in Fletcher Library Building, Church Street.

## TRUSTEES FLETCHER FREE LIBRARY.

The MAYOR. —*ex-officio*,

MATTHEW H. BUCKHAM,

LOAMMI G. WARE,

EDWARD J. PHELPS,

SAMUEL HUNTINGTON.

## LIBRARIAN.

Miss SARAH C. HAGAR.

Miss LIZZIE R. MOORE, Assistant.



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## STREET DEPARTMENT.

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STREET COMMISSIONERS.

C. J. ALGER,  
HIRAM WALKER,  
ALBERT G. PIERCE.

SUPERINTENDENT OF STREETS.

JOHN BLACK.  
Office in City Hall Building.

SUPERINTENDENT OF WATER WORKS.

FRANK H. PARKER.  
Office in City Hall Building.

POUND KEEPER.

JOHN DOXEY.  
At City Hall.

OVERSEER OF POOR.

HENRY GREENE.  
Office, No. 13 Church Street.

CITY LIQUOR AGENCY.

JAMES MITCHELL, Agent.  
Basement of City Hall Building.

TRUSTEE U. S. DEPOSIT FUND.

GREENE D. WELLER.

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## WARD OFFICERS.

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### WARD ONE.

Clerk—ORVIS S. STORRS.

*Inspectors of Elections,*

A. P. LOWELL, L. D. AINSWORTH, G. L. LINSLEY.

### WARD TWO.

Clerk—JOHN E. LANG.

*Inspectors of Elections,*

A. V. SPALDING, L. G. BURNHAM, JOHN LAVELLE.

### WARD THREE.

Clerk—WM. NEWTON.

*Inspectors of Elections,*

P. RITCHIE, P. MARENGO, I. J. FLANAGAN.

### WARD FOUR.

Clerk—GEO. E. JOHNSON.

*Inspectors of Elections,*

E. B. JOHNSON, D. KERN, H. E. WOODBURY.


### WARD FIVE.

Clerk—W. F. HENDEE.

*Inspectors of Elections,*

D. C. BARBER, W. H. LANE, Jr., WM. DENNING.

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 Election of City officers, first Tuesday in March, in each year.

# PARTY ORGANIZATIONS.

## CITY COMMITTEE.

### Republican.

E. P. SHAW,  
E. H. TRICK,  
LEON BEAUPRE,  
S. WALKER,  
L. J. SMITH,

### Democratic.

J. J. BARNARD,  
W. J. LANGSHORE,  
THOMAS COOK,  
G. H. BABCOCK,  
E. M. SUTTON.

## WARD COMMITTEES.

D. WALKER, HENRY RICE, H. E. SIBLEY.	} Ward 1.	{ C. H. McCARTY, JAMES HENRY, JAMES FOLEY.
JOHN BACON, FRED DEWEY, H. H. DAVIS.	} Ward 2.	{ D. W. C. CLAPP, W. L. STONE, JOHN J. SHEA.
C. HILDRETH, U. CAISE, JAMES McCUEN.	} Ward 3.	{ P. T. MEAGHER. A. M. DOXEY, JOSEPH GARO.
GEO. W. WALES, E. SELDEN, FRANK BROWN.	} Ward 4.	{ J. J. THOMPSON, R. CROKER, J. B. FORANT.
B. F. OSTRANDER, W. H. LANE, Jr., J. W. RUSSELL,	} Ward 5.	{ H. L. DALEY, JOHN NOLAN, EDWARD WILLARD.

## Mayor's Message.

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[Delivered before the City Council April 6th, 1885.]

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*To the Honorable the Board of Aldermen :*

The several city officers have made comprehensive and detailed reports of the operations and condition of their departments, and I deem it unnecessary that I should repeat to you what they have reported. I shall therefore simply quote from the reports sufficiently to make plain the suggestions and recommendations I may make.

### FINANCES.

Our net bonded debt January 1st, 1885, was \$356,304.40. Reduction during 1884,—\$5,702.12. In July 1886,—\$150,000 of water bonds 6s become due, and provision must be made for their payment. I would recommend that you consider the subject of issuing new bonds to furnish means of paying them. It may be best to issue these bonds this year, should the conditions of the money market be very favorable, and preliminary steps should be taken with that possibility in view. Our credit is deservedly high, and I apprehend that a 4%, 10-40 bond will be sought after.

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SINKING FUND.

This fund is in good condition, and should be kept so. It seems to be our policy to liquidate our bonded indebtedness by providing for additions to this fund in our tax levy.

## STREETS.

Each year should witness substantial permanent improvements upon our streets and walks so that at the end of years we may have something to show for the taxes we have paid, and in the meantime have the comfort that good streets and walks afford.

I think our main thoroughfares should first be improved, and other streets as soon as may be. I would recommend that the stone crusher be repaired, and put to work, and that at least one half of our highway tax be used upon permanent work.

## SEWERS.

For the health and convenience of our citizens new sewers need to be constructed each year, due regard being had that the least be done in those years wherein we have extraordinary expenditures for work that cannot be postponed.

## WATER.

The water committee have purchased \$3,000 worth of iron pipe to replace weak cement pipe and old and small iron pipe, and for new services. It will probably require \$2,000 to lay it, or \$5,000 in all.

The income from our service rates last year shows a gratifying increase.

The expense of pumping in 1884 shows quite a decrease from 1883, which may be attributed to the improvements made in the Pumping Machinery in 1883-4, as well as the careful superintendence of the department.

The subject of a supply of purer water for our city has been much discussed, and opinions are various among our citizens. I coincide in the opinion of many that the reservoir should be cemented, and an outlet constructed so it can be easily and quickly emptied, that it may be cleaned when needed.

Several analyses of water taken from different parts of the lake,—and from other waters than the lake,—have been made by competent chemists, and they indicate that we should not be materially benefited by changing the present source of supply. Whether analyses should be taken as conclusive evidence of fitness or unfitness of water for human use I am not prepared to say, but common sense would teach that, other conditions being equal, the greater distance water is taken from a source of infection the purer it will be. I have ascertained that a 16 inch suction pipe can be laid from the pumping station to Breakwater, and connections made there when the U. S. Government are constructing a crib, for the sum of \$10,000. This price is for laying the pipe when ice is upon the lake. If done at other times it would cost \$3,000, or thereabouts, more. It is not probable that the Breakwater will be extended this year.

While the water we now use compares favorably with those in use in New York and Boston and other cities, it is possible that we can obtain some more excellent at a moderate expense. The healthfulness of our city during 1884 was better than for several previous years, and I see no cause for special alarm in regard to impurities in our water, even if we think the source of supply should be changed at the earliest moment practicable. I trust that the water committee, who have been exhaustively investigating this subject, will at their earliest convenience report the informa-



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tion they have, that immediate steps may be taken to do whatever may be desired, if anything.

#### FIRE DEPARTMENT.

This Department retains its efficiency and "Esprit du Corps." It is one of the "wonders" to me that a Volunteer Fire Department like ours can be so long kept efficient and intact, and it argues well for the material of which it is composed. The annual cost to the members of it, in loss of time, clothing, etc., is, no doubt, much greater than its cost to our tax-payers, and the Department deserves our cordial support and commendation. The recent killing of Mr. Parker, while in line of duty, suggests the perils to which firemen are subject, and I trust the time is not far distant when our public spirited citizens will take into consideration the subject of creating a permanent fund for the benefit of disabled or needy firemen. This fund could be increased yearly, so that in a few years it would reach respectable proportions. We owe this to these men who labor so effectively for us.

During the past winter there has been built in Ward Two a substantial hose house for the Star Hose Co., at a cost, including grounds, of \$3,000, of which \$1,848 remains to be provided for in this year's tax levy.

#### PUBLIC BUILDINGS.

Most of our Public Buildings are in a very good state of repair, except the Library Building, which needs some painting in the interior, and a new floor in the central portion at least, of the main room. The present floor would not be long tolerated in an ordinary tenement house.

## PARKS.

Nothing adds more to the attractiveness of a city, or to the comfort and pleasure of its inhabitants, than well cared for Parks, and I trust ours will not be neglected.

## CRIMINAL AND POLICE.

Our city has sustained its reputation for peace and good order during the past year, and I trust it will do even better this year. With the small police force we employ it is impossible to guard our large territory as well as could be desired, and our citizens should consider this when criticising the efficiency of the Department.

They can however, reasonably expect that Police Officers will be law abiding, temperate and vigilant, and not frequenters of places where unlawful transactions are carried on, thus appearing to be, if not really, themselves violators of law.

## PAUPER DEPARTMENT.

This Department shows a gratifying decrease in expenditures, which indicates efficiency in administration, and prosperity in our midst.

## PUBLIC SCHOOLS.

Our citizens have a just pride in our schools, and while they may be subject to some just criticisms, they have on the whole sustained the good reputation they have established, and the management is deserving of credit for the good results obtained during the past year. We have been liberal in the support of our schools. Last year they cost \$24,378.71 for current expenses, of which \$20,784.62 was raised by taxation. This year the School Board require \$21,000 to be raised by taxation, or about 29% upon our present grand list.

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The School Board strongly recommend that a new school building be erected immediately upon Pine Street, for the better and increased accommodation of pupils.

While I do not doubt but the School Board have given the subject serious consideration, I do not think we should be warranted in appropriating this year such a sum as they ask for.

The building of the Winooski Bridge, and possible expenditure on account of change in source of water supply this year, would seem to require that the school building be postponed for the present.

If the tax-payers do not coincide with this view, a meeting of them can be called and a tax levied to furnish means to do this work.

#### THE FLETCHER FREE LIBRARY.

The Library has been the subject of much discussion during the past year, and owing to differences of opinion between your predecessors and the Trustees of the Library it was closed a portion of the year.

There ought to be harmony, and the wishes of our citizens respected. There appear to be two different ideas in our community in regard to the proper method of managing the Library affairs, which different ideas are held by two classes of persons:

The first class consists of the more scholarly, whose tastes incline them to desire for a Librarian a person who has thorough and intimate knowledge of the contents of the books in the Library, that he may impart such knowledge to its patrons, and thus aid them in selecting their reading matter.

The second class consists of, apparently, the greater

number of our citizens who will be satisfied with a Librarian who is competent to have the custody of the books, and perform properly the clerical duties of the position.

If the view of the latter class be taken, it seems to me that \$2,000 per annum will be sufficient to operate the Library successfully, except however it may be necessary occasionally to appropriate something for increasing shelf room for the books that are constantly being added. There is a present urgent need for more shelf room, and I would recommend that you appropriate \$150 for that purpose.

#### HEALTH DEPARTMENT.

The health department has been carefully and efficiently administered. The continued healthfulness of our city will depend largely upon the condition that each householder keeps his premises. The possible advent of cholera in our country admonishes us of the importance of thorough cleanliness.

#### LICENSES.

By an amendment to our charter, the council have the right to impose license fees upon inn-keepers, saloons, etc., for purposes of revenue. Your attention is called to the subject.

The council is also authorized to license, tax or prohibit itinerant venders, peddlers and transient auctioneers.

It has been the custom to license persons who come here for the purpose of disposing of goods of various kinds, who advertise them to be sold at fabulously low prices, and having sold them, shake the dust of our city from off their feet, and with our money, depart. The goods are usually poor, and are sold at higher prices than goods of the same relative value can be purchased from our regular dealers

here. The purchasers are not benefitted and our dealers, who help pay our taxes, are injured. I would recommend that licenses be not granted such persons.

#### TAXATION.

Since the Mayor's estimates were published, some changes have been made in the condition of the different departments, so it can be now more accurately determined what the expenditures will be this year.

While I do not desire to anticipate your views relative to the tax levy, I think the tax-payers are entitled to all the information there now is upon the subject, so I would say that unless important changes are made, our tax will not be this year more than 95c. exclusive of the Winooski Bridge, if our grand list remains the same as now,—and it ought to be greater if honest lists are returned. The expenditure for the Winooski Bridge will probably require a 12 to 15c. tax, making in all not exceeding 110c.

There is a state tax of 10c. to be paid this year, and the council is authorized to levy it at the same time it does the city tax. It would seem desirable to do so, as it would save the expense of an extra rate bill and the tax-payers some annoyance. It is interesting to analyze our tax levy and see how it is apportioned. Upon our present grand list it will probably be apportioned about as follows each year.

Schools.....	29c.
Interest .....	37c.
Less interest on water bonds paid by receipts from water rates.....	20c.
	— 17c.
Highways.....	15c.
Total of apparently fixed taxes.....	61c.



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Salaries.....	4c.
Pauper Department.....	5c.
Library.....	3c.
Criminal and Police.....	5½c.
Parks.....	¾c.
Public Buildings.....	2¼c.
Street Lights.....	5½c.
Health Department.....	½c.
Waterworks Construction, ordinary.....	5c.
Sewers.....	5c.
Fire Department.....	6c.
Sinking Fund.....	5c.
Incidentals.....	6½c.
	<hr/>
	54c.
Making in all.....	115c.

After July 1886, our interest account will be reduced about 4c. and it is to be sincerely hoped that our grand list will increase, and that we shall be able to prune down our expenses, so that 100c. per annum, in the near future, may cover all our necessary expenditures. The tax levied last year was larger than necessary, so that this year, with the surplus on hand January 1st, it is probable that the tax will not exceed 95c. as hereinbefore stated. It is the sentiment of our people that taxes be reduced to the minimum consistent with true economy and substantial progress.

There is no owner of property, however little, but is interested in the growth and prosperity of our city, and a purely parsimonious policy in regard to expenditures would lessen the value of all property and ultimately result in loss to all tax-payers. There is a happy medium of expenditure which we must endeavor to find. When we have made our



tax levy it will be justly attributed to mismanagement, unforeseen occurrences excepted; if any department expends more money than is allotted to it, as our tax-payers have the right to expect that they will not be called upon next year to make up deficits. While there may be room for improvement, I do not deem it boasting to say that there is not another city in New England where the public money is more honestly and frugally expended than in our city.

## IN GENERAL.

The progress of improvement in our city during 1884, has never been surpassed, if equalled, in any other year of our history. The most noticeable among the structures erected is the Billings Library, so named in honor of its generous donor, Hon. Frederick Billings, of Woodstock. For architectural beauty and convenience in appointment it is not excelled in New England, and is a credit to our University, our city and our state.

Some good business blocks, many fine private dwellings, and many of a more modest character have been erected during the year, and taking into account the condition of business generally, I think we have great cause for satisfaction that we have been so prosperous. Commercial failures have been few, fewer probably than in any other city in New England of our size and magnitude of business, and we may predict continued prosperity for the present year if we exercise proper prudence and energy.

With full confidence in your desire to co-operate with me in the performance of the important trusts committed to us by our fellow citizens, I invite your attention to the duties before us.

U. A. WOODBURY,

Mayor.

Burlington, Vt., April 6, 1885.

REPORT  
OF THE  
TRUSTEES OF THE FLETCHER FREE LIBRARY.

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*Committee on Library Affairs :*

Alderman BOOTH,  
" WALKER,  
" ALGER.

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BURLINGTON, VT., JAN. 1, 1886.

*To the Board of Aldermen :*

GENTLEMEN :—

The Trustees of the Fletcher Free Library beg leave to present to you their Twelfth Annual Report.

We have to make, first of all, regretful record of the death of our friend and benefactress, who, twelve years ago, with her mother, founded this Library. She passed away on the 24th of February, 1885, in that other beneficent institution which she founded, the Hospital which bears her name, Mary Fletcher. That Hospital and this Free Library stand to commemorate her. She does not need, as her modest and unselfish temper would have repelled, any eulogy. These remain, her praise and monument. But her Trustees desire to give the first place in their Report to their regret at her loss, to renewed gratitude for her benefaction, and to reverent honor of her memory ; and in this they know they but give voice to the general feeling of this community, where her name will always remain a name not simply of respect, but of love.

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The Library year for 1885 dates from January 19th, when it was reopened in charge of Miss Sarah C. Hagar, Librarian, and Miss Lizzie R. Moore, as assistant.

Its statistics show an increase in the number of books borrowed, there having been taken out in the year some 29,465 volumes. In June there was a gain of 785 volumes borrowed over the same month in 1884, and of 1,040 over June 1883. In October the books given out for home use numbered 2,978, being some 700 more than that month has shown since 1879.

The increase in books added to those in the main room for reference and circulation has been 1,000, raising the Catalogue of Accessions to 16,000 volumes. Besides, 700 Government publications have been received and arranged, of which lists have been made, so that they are ready to be referred to.

In an appendix to this Report, the Librarian will make note of the welcome gifts made during the year to the Library, and some among the more important additions.

The use of the Reference Department is constantly on the increase. The Trustees consider this a sign of the usefulness of the Library, almost more than the great number of books given out for home use; for those are, many of them, read only in the way of pastime, but when one of these special reference books is called for, it means a piece of information sought by somebody in earnest, and got to some good purpose. We desire to foster the growth of this department to the full extent of our means; without trenching too much on the supply of current reading in books of the day, and of standard literature.

The Librarian reports a continued and growing use of the Library in our public schools. We understand that a good part of the juvenile books in use, notwithstanding a

large proportion of fiction, are books of history, travel, science, biography, arranged for young people.

“The influence of teachers,” the Librarian says, “is a great help in directing the reading of the young. The pupils come to us for aid in preparing subjects given out in the schools, and encyclopædias, reviews, books of travel, lives of famous men and women are consulted in the library-room, or taken home for study. Children come in eager for this sort of reading, influenced by their teachers.” We also provide books for use in the daily school-exercises, more than a hundred having been bought for this purpose during the year. The Trustees desire to thank the teachers for the good-will with which they second their wish to make the Free Library a part of the equipment of our free education.

The Library tries to keep pace with its growing use by proportional growth upon its shelves. This we are able fairly to do, while obliged to regret the smallness of its purchasing fund. But we are, as the Librarian's account shows, in receipt of valuable gifts from friends who kindly keep us in mind, and this year we have been signally favored by the thoughtfulness of the City Government, in turning over to us the proceeds of the dog tax, \$281.40. Thanks, gentlemen, special and hearty to you, for this special favor. This generous thoughtfulness has enabled us to add many and valuable books to our shelves,—much needed ones of reference among them,—which have been in constant use since their acquisition.

We trust that, seeing the special aid this has been thus far to the resources of the Library, you may think it wise to let it go further. In most places furnished with town-libraries, this has come to be the stated disposition of the dog-tax. Our city is to be congratulated, and the Trustees of our Library will remain much your debtors, if you decide



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to let this, your action for 1885, pass on to 1886, and into long tradition among us year after year.

You have also made much-needed repairs upon the library-building. We note particularly the excellent hard-wood floor which has been laid in the principal room by your Committee on Public Buildings. The years-long shabbiness of the old, splintery, disreputable floor is at last out of sight—and out of mind. Ceilings have been whitened and painting done; smoke-bells furnished the gas fixtures, springs to the windows, and more chairs to our readers. These improvements are readily seen in the neater look of the room and general better state of things; but not every one can appreciate the convenience of our added shelves, by which those 500 valuable public documents are now made available which have been piled up on the floor,—a heap of useless lumber,—and many new books, for which our readers were waiting, are now placed in their proper order. The chronic library-need of more shelf-room is now filled—for the time!

For all this considerate care of the Library the Trustees desire to make to you their acknowledgements and due thanks.

We regret to have to make our yearly complaint of the condition of our roof. You have had it repaired this year as formerly, but still it leaks badly, already staining our new-whitened ceilings and sadly endangering the books. On a Sunday, in a wet time, our Librarian's preface to divine service is wont to be a visit to the building, and, we fear, sometimes a very anti-Sabbatarian use of mop and pail. There are other urgent repairs to which we shall have to call the attention of your Committee, chiefly the insufficient heating of the library-room. On cold and windy mornings, to find the thermometer at forty degrees and to get it only

to sixty-two degrees by the close of the afternoon, is not a condition of health or comfort. It is not right to keep the ladies in charge in such an unwholesome climate ; and borrowers, who come to consult our reference-books, have justly complained at being driven away by the cold.

As the Library grows, these lets and hindrances to its proper use are increasingly felt. The interferences with its best use are many, caused by its present quarters. Good enough to start in, these have always been ill-adapted, inconvenient, and grow more so every year. Former Reports have called the attention of your honorable Board to this, but it is a point which will have to be recurred to once and again, since every year adds to the trouble and makes it more vexatious. If we may compare small things with great, it is the same trouble which at Washington, has grown into a mere block to the proper use and benefit of the Congressional Library. It is to be hoped that we here may not copy the slowness, with which Congress puts off doing what it ought to do in this respect.

Not to speak of the Billings Library on the spot here, because it is a university library, nor of the noble library-buildings with which, in other states, generous donors have done themselves and their cities eminent honor, speak of the fine town-libraries built of late in our own State. They may well be an example and model to us in what quarters a fine library should be bestowed. Ours, surely, is worth as fine a bestowal as any of these. Let it have a house of its own, much better, more elegant and convenient, and more safe, than it has now. There is the Fairbanks Library in St. Johnsbury ; the Williams Library in Woodstock ; the Brooks Library now building in Brattleboro—all striking ornaments to their towns, and all giving the freedom of their books, of

their reference-departments and their reading-rooms to their townspeople in the readiest and pleasantest fashion. It is a pity that we citizens of Burlington cannot go by relays to visit these. The sight might well tempt to decide that we will not wait long before patterning after their private munificence by our public liberality. "It is a consummation devoutly to be wished ;" and perhaps, gentlemen, it is for you to consult so for your praise, and for the good of the city, as to take the first steps toward this.

To this hope, and to all that in a public-spirited way you may devise for our Library, permit us to quote to you what was quoted the other day by the donor of a library-building, when he made it over to his fellow-townsmen. It is from a speech made at the opening of the Birmingham Free Library by the great English friend of the people, John Bright. "It will be," he said, "this city library, will be a fountain of refreshment and instruction and wisdom. The young man who drinks at it shall still thirst, and thirsting for knowledge and still drinking, we may hope that he will grow to a greater mental and moral standard, more useful as a citizen, and more noble as a man."

I am, gentlemen, in behalf of the Trustees, yours with respect.

L. G. WARE,  
Secretary.



## FLETCHER FREE LIBRARY,

In account with S. Huntington, Treas. Cr.  
1885, January 1.

Cash from account of 1884.....	\$330.77
“ of Library, permanent fund, (interest).....	636.00
“ “ City Dog tax, 1884.....	281.41
“ “ T. P. W. Rogers, (back fines).....	7.50
“ “ Sarah Hagar, Librarian, fines for 1885....	158.87
“ “ T. P. W. Rogers, for foreign periodicals....	28.51
“ “ Harry Cannon, “ “ “ .....	23.61
“ “ Two Volumes lost from Library, .....	3.28
	<hr/>
	\$1,469.95

## CONTRA.

Cash paid for books and periodicals for the year ending December 31, 1885,--	\$1,359.23
Cash on hand,-----	110.72
	<hr/>
	\$1,469.95
Bills outstanding and unpaid, \$55.05.	
Burlington, January 1st, 1886.	

Attest, S. HUNTINGTON, Treas.,  
Fletcher Free Library.

## LIBRARY EXPENSES.

Salaries Miss Hagar, Librarian,-----	\$ 766 67
“ Miss Moore, Ass't Librarian, .....	479 17
“ R. G. Stone, Messenger, .....	138 00
Insurance, .....	139 50
Binding, Scott, .....	194 32
Printing, M. Thompson, .....	33 25
“ Free Press, 1884, .....	2 00
Coal, .....	104 00
Gas, 1st Sept. 1884-30th Nov. 1885, .....	60 00

## [Library Expenses—Continued.]

Water, 1884, 1885,-----	22 00
Sprinkling streets, 1884, 1885,-----	12 00
Street Dept., moving ashes, 1884, 1885,-----	4 72
Plumbing,-----	15 28
Stationery, Huntington,-----	6 35
Cleaning Library,-----	34 60
Draping Library, &c., at death of Miss Fletcher--	12 77
Express, City, &c.,-----	3 90
Work, awnings, double windows,-----	3 50
Incidentals,-----	6 90
Total,-----	\$2038 93

## APPENDIX A.

*Circulation for 1885.*

	FICTION AND JUVENILES.	TOTAL.
January,-----	678	1,062
February,-----	1,692	2,486
March,-----	2,146	3,088
April,-----	2,119	3,093
May,-----	1,651	2,429
June,-----	1,691	2,245
July,-----	1,543	2,188
August,-----	1,547	2,057
September,-----	1,515	2,109
October,-----	2,002	2,978
November,-----	2,016	2,913
December-----	1,889	2,627
Total,-----	20,489	29,475

The Library opened the 19th January ; was closed three days at the death of Miss Fletcher ; five days for repairs ; four days for taking inventory ; on Decoration Day, Fourth of July, Thanksgiving, Christmas ; in all, thirty-one week days.

## APPENDIX B.

*Circulation from 1876.*

FICTION AND JUVENILES.		TOTAL.
1876	-----	35,448
1877	-----	38,458
1878	25,186 -----	35,238
1879	-----	33,077
1880	19,579 -----	29,432
1881	19,212 -----	28,262
1882	18,308 -----	26,437
1883	17,092 -----	25,576
1884, closed 3 months	15,027 -----	20,173
1885	20,489 -----	29,475

## APPENDIX C.

*Books added by purchase, 1885.—Whole number 910.*

## BY CLASSES.

Cyclopædias and Dictionaries,-----	24
Biography,-----	90
Literature and Language,-----	30
History-----	60
Poetry and the Drama,-----	44
Fine Arts,-----	40
Science,-----	90
Travel and Description,-----	70
Periodicals, bound,-----	62
Juveniles,-----	128
Theology and Religion,-----	20
Medicine and Hygiene,-----	15
Miscellaneous and Fiction,-----	237

## APPENDIX D.

*Classification of books according to subject*

Agriculture and Horticulture,-----	124
Biography,-----	1,136
Essays and Collected Works,-----	438
Fiction, English,-----	1,394
"    American,-----	503
"    German (translated),-----	155
"    French, (translated),-----	140
"    French, &c.,-----	216
Total,-----	2,408
Fine Arts,-----	435
History, American,-----	528
"    Ancient and Foreign,-----	883
"    Ecclesiastical,-----	148
Total,-----	1,559
Juvenile Books,-----	670
Literature and Language,-----	620
Medicine and Hygiene,-----	240
Natural Science and Industrial Arts,-----	735
Periodicals,-----	2,050
Philosophy and Morals,-----	187
Poetry and Drama,-----	646
Political and Social Science,-----	204
Sports and Games,-----	42
Travels,-----	939
Encyclopædias and Dictionaries,-----	653
Miscellaneous,-----	120
Government, State, Municipal Documents, &c.,-----	2,608
Worn out or withdrawn,-----	186
Whole number on Catalogue of Accessions,-----	16,000
Additional Pub. Docs. entered on lists,-----	600
Books held in trust, duplicates, &c., estimated,-----	2,000
	<hr/>
	18,600

## APPENDIX E.

GIFTS FOR 1885.

	Vols.	Pams.	Nos.
Alger, C. J. <i>Burlington Independent</i> .			
Allen, C. E. ....	1		
Angell, Pres. J. B., <i>Ann Arbor, Mich.</i> .....		1	
American Museum Natural History,.....		1	
Arthur, J. A. ....	1		
Ballard, Mrs. H. M. ....			104
Benedict, Hon. G. G. <i>Burlington Weekly</i> <i>Free Press</i> ,.....			
Bigelow, Miss E. T. ....			5
Brastow, Rev. L. O. ....	1		
Canada, Department Agriculture,.....		1	
“ Patent Office,.....		12	
Cannon, H. LeGrand <i>London Graphic</i> .....			
“ “ “ <i>Le Monde Illustré</i> .....			
“ “ “ <i>New York Life</i> .....			
“ “ “ .....12			12
Cogswell, E. R. <i>Cambridge, Mass.</i> .....	1		
Crandall, F. H. <i>University Cynic</i> ,.....			
Edmunds, Hon. G. F. ....122		32	
Greenleaf, C. E. ....	3		
Hagar, G. I. ....	1		76
Hagar, Miss S. C. ....	3		
Hagar, Miss M. E. ....	1		
Herrick, G. F. ....		1	
Leeds, J. W. <i>Philadelphia, Pa.</i> ,.....	1		
Libraries, Barrow in Furness, England,.....		1	
“ Boston Public, Mass. ....		3	
“ Bowdoin, N. H. ....		1	
“ Brookline, Mass. ....		1	
“ Cavendish, Vt. ....	1		

	Vols.	Pam. Nos.
Libraries, Cincinnati, Ohio,-----		1
“ Concord, N. H.-----		1
“ Glasgow, Scotland. Mitchell Library.		1
“ Grafton, Vt.-----		1
“ Harvard University,-----		2
“ Lawrence, Mass.-----		1
“ Liverpool, England,-----		1
“ Lynn, Mass.-----		1
“ New Bedford, Mass.-----		1
“ Newton, Mass.-----		1
“ New York State,-----	1	
“ Peterboro, N. H.-----		1
“ Providence, R. I.-----		1
“ Swansea, Wales,-----		1
“ Worcester, Mass.-----		1
Miner, Mrs. C. E.-----		24
Morrill, Hon. J. S.-----	18	1
Page, Carroll S.-----		1
Peck, T. S.-----	1	
Rochon, Louis-----	1	
Smalley, B. B., Esq.-----	107	131
Smith, Miss C.-----		52
Smithsonian Institution,-----	2	1
Stacy, Miss J.-----		10
Stone, M.-----		1
Tate, John, <i>Portadown, Ireland.</i> -----	1	
Taft, E. B. <i>The Nation.</i> -----		
“ “ <i>Nos. University Cynic.</i> -----		
“ “ <i>“ B. Independent.</i> -----		
“ “-----	2	
U. S. Bureau of Education.-----	2	
“ Department of Interior.-----	569	3
“ Postmaster General.-----	1	
Ware, Rev. L. G.-----	2	30 22
Weller, W. E.-----	3	
Wheeler, Mrs. M. C.-----	84	66
Woolsey, Miss A. H.-----	2	
Worcester, Rev. J. H.-----	1	
		3



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# REPORT OF CHIEF ENGINEER

## OF THE

# FIRE DEPARTMENT.

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*To the City Council of the City of Burlington, Vt.:*

GENTLEMEN :—

I have the honor to present to you the twenty-first annual report of the Fire Department, for the year ending December 31st, 1885.

The Department consists of one hook and ladder truck, two hand engines, nine hose carts, 2,250 feet leather, 4,850 feet linen, 1,000 feet cotton rubber lined, 500 feet linen rubber lined hose, 21 fire alarm boxes, three indicators, eight and one half miles of wire, and all tools necessary for operating the same.

### DEPARTMENT HOUSES.

During the past year the new house of Star Hose Company has been completed, and is in every way a credit to the Department and to the City. The other houses have received some slight repairs. I would call your attention to the building occupied by Barnes Hose Company. It is in very bad condition, and should be replaced at an early date by one similar to that in Ward 2 ; also the building occupied by Ethan Allen Engine Company, which is hardly tenable.

### HYDRANTS.

Three new hydrants have been placed during the year, making in all 162. Of these 20 belong to private parties or corporations. Five underground hydrants have been re-



---

placed by post hydrants. This change is a good one, and should go on until all are replaced.

#### APPARATUS.

With the exception of the cart in use by Ethan Allen Company, the apparatus is in very good condition. This Company should be provided with a new one at once. A new cart has been purchased for Boxer Company and is giving good satisfaction.

#### HOSE.

The Department has 1,000 feet of leather, 2,500 feet linen, 500 feet linen rubber lined, 1,000 feet cotton rubber lined in good condition ; 1,250 feet leather, 2,350 feet linen, in poor condition. 1,500 feet rubber lined hose has been purchased and divided as follows : 500 feet each to Boxer, Howard and Barnes Companies. The Department needs 1,000 feet more immediately.

#### FIRE ALARM TELEGRAPH.

The system remains the same as last year; two new alarm boxes have been purchased, but owing to a lack of funds we have been unable to put them in position, but hope to do so early in the current year.

#### ANNUAL PARADE.

The annual parade and inspection took place September 17th, and the department made its usual fine display of well drilled men, and nicely cared for apparatus, the Boxer Company drawing their new cart for the first time on this occasion.

#### RECOMMENDATIONS.

I would respectfully recommend the following purchases which are needed to place the department in proper condition. A new cart for Ethan Allen Company, 1000 feet rubber lined cotton hose, 3 fire-alarm indicators.

## REMARKS.

I have only words of praise to bestow upon each and every company of the department for the prompt and efficient manner in which they have responded to all the calls which have been made for their services during the past year. It is my painful duty to record the first instance since the organization of the department, of the death of a fireman while in active service, in that of First Assistant

**EDWARD C. PARKER,**

of Ethan Allen Engine Company, who was instantly killed by a falling wall, at the burning of Holt's spool and bobbin factory, on Saturday, Februray 7th, 1885.

I will take this opportunity to thank Assistant Engineers Denning, Perkins, Bradley and Murdock, for their hearty aid and support during the year, also to the Fire Committee for the many favors shown the department.

In connection with this report I submit a schedule showing number and location of fires during the year, also statistics from the several companies, and a statement of the financial condition of the department.

## DEPARTMENT FINANCES.

Current Expenses for year, .....	\$4,204.53
Amount charged for water, .....	1,200.00
	<u>\$5,404.53</u>
Appropriation, .....	\$4,544.40
Overdraft, .....	860.13
	<u>\$5,404.53</u>

Respectfully submitted,

L. C. GRANT,  
Chief Engineer.

Table Showing Number of Alarms, Location, Loss, &c., in 1885.

DATE.	TIME.	BOX.	LOCATION.	OWNER.	PROPERTY.	ORIGIN.	LOSS.	IN. PAID.
January 6	12.30 A. M.	41	Main Street.	A. B. Fisher.	House.	Unknown.	\$ 265.00	\$ 265.00
" 20	1.45 P. M.	42	Cherry	Mrs. Rowe.	"	Smoking pipe.	None.	None.
Feb. .... 7	2.00 P. M.	53	Pine	L. Barnes.	Spool and Bobbin Mill.	Unknown.	13,000.00	8,400.00
" 16	9.40 P. M.	45	Lake	S. & M. Lumber Co.	Dry House.	"	5,175.00	5,175.00
March. 19	11.15 A. M.	52	Battery	Central Vt. R. R. Co.	Ice House	Spark from Engine.	None.	None.
April. 18	7.40 P. M.	41	College	B. Turk.	House.	Overturned Lamp.	57.00	57.00
" 26	9.30 A. M.	52	Battery	E. M. Sutton.	House.	Chimney.	None.	None.
May .... 1	1.30 P. M.	54	Pine	Bronsons, W., D. & Co.	Shavings House.	Spark.	500.00	500.00
" 14	4.30 P. M.	53	Battery	Rutland R. R. Co.	Storehouse.	"	500.00	None.
" 18	12.40 P. M.	46	Lake	Booth & Woodbury.	Dry House.	Unknown.	2,275.00	2,275.00
" 29	7.00 P. M.	52	Shelburn	"	Brush-heap.	"	None.	None.
July .... 9	1.00 P. M.	45	College	S. & M. Lumber Co.	Shavings House.	Back Draft.	2,270.00	2,270.00
" 22	6.00 P. M.	53	Pine	Burlington Mfg. Co.	Mill.	Spark from Chimney	None.	None.
Sept. .... 2	9.00 P. M.	52	Battery	Rutland R. R. Co.	Ice House.	Incendiary.	None.	None.
" 3	12.15 P. M.	53	"	"	"	"	None.	None.
Nov. .... 7	12.20 P. M.	36	Lake	Linsley's mill.	Shavings House.	Broken Blower	None.	None.
" 26	11.00 P. M.	42	Cherry	"	False Alarm.	"	None.	None.
Dec. .... 5	1.30 P. M.	53	Pine	L. Barnes.	Dry House.	Hot Air Box.	1,000.00	1,000.00
Total, 18 alarms.							\$25,042.00	19,942.00

## COMPANY STATISTICS.

### HOOK AND LADDER COMPANY NO. 1.

Foreman, JOHN W. DALEY.

1st Assistant, FRANK H. McCARTY.	Clerk, C. E. KENNEDY.
2nd Assistant, MARTIN GARVEY.	Treasurer, E. M. SUTTON.
3d Assistant, MICHAEL BROWN.	Steward, M. CUNNINGHAM.

#### STANDING COMMITTEE.

WM. POWERS,	P. FITZSIMMONS,	J. J. SULLIVAN.
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#### MEMBERS.

Archambault, Chas.	Guyette, Felix	Moore, John
Butler, Patrick	Grogan, Wm.	Mitchell, John
Brown, Michael	Garvey, M.	McCarty, John
Connelly, Daniel	Heffron, Martin	McCarty, F. H.
Cunningham, M.	Hayden, James	McAvoy, John
Casey, Edward	Hudson, Geo.	O'Mara, John
Denning, William	Hanley, Peter.	Powers, John
Duncan, Richard	Kennedy, Samuel	Powers, William
Duncan, William	Kennedy, C.	Ryan, Richard
Daley, J. W.	Lander, Peter	Sutton, E. M.
Doxey, A. M.	Moore, Michael E.	Sullivan, J. J.
Durham, Peter E.	Martin, John	Smith, Patrick
Donahue, T.	Marengo, Peter Jr.	Welsh, Richard
Fitzsimmons, P. H.	Mallon, Thomas	Welsh Thomas

#### CITY PROPERTY IN CHARGE OF HOOK AND LADDER CO. NO. 1.

##### IN TRUCK ROOM "CITY HALL."

1 truck, 2 iron bars, 2 forks, 6 roof chains, 5 guy ropes, 1 hammer, 1 wrench, 1 iron jack, 2 large hooks, 4 axes, 1 medium hook, 120 feet rope, 150 feet rope, 6 lanterns, 2 side lamps, 1 head lamp, 1 coal stove and pipe, 1 set double harness, consisting of breast plate and bridles, 1 extra set whiffletrees, 10 rubber coats, 12 pairs rubber mittens, 10 rubber caps, 1 65 feet "Bangor" extension ladder, 1 58 feet splice ladder, 1 38 feet ladder, 4 24 feet ladders, 5 16 feet ladders, 10 pipes, 10 braces, hose for washing truck, 1 indicator.

In meeting room, "Exchange Block," 49 common chairs, 6 cane bottom arm chairs, 20 earthen spittoons, 1 broom, 1 snow shovel, 2 dusters, 1 looking glass, 1 wardrobe, 1 wood stove and pipe, 2 desks, 1 stand, 1 table. All in good condition.

## STAR HOSE COMPANY NO. 2.

Foreman, WILLIAM E. HAYES.

1st Assistant, LOUIS SEQUIN,	Clerk, CHARLES LANE,
2nd Assistant, THEOPHILE LAPOINT,	Treasurer, A. H. DUHAMEL.
	Auditor, HENRY LEE.

## MEMBERS.

Brady, T. E.	Lapoint, T. E.	Murphy, T. H.
Cowlbeck, G. E.	Lonergan, J.	Murphy, C.
Duhamel, A. H.	Lane, C.	Riley, W.
Dougherty, F.	Lane, G. W.	Sequin, L. Jr.
Davis, A. L.	Lee, H.	Sheridan, J.
Flaherty, J. E.	McGowan, W.	Spear, H. E.
Grant, L. C.	Meagher, P. T.	Sullivan, M.
Hayes, W. E.		

## CITY PROPERTY IN CHARGE OF STAR HOSE CO. NO. 2.

1 hose cart, 400 feet linen hose in good condition, 450 feet linen hose in poor condition, 1 crowbar, 1 axe, 2 service pipes, 1 practice pipe, 4 rubber coats, 4 caps, 4 pairs mittens, 4 hydrant wrenches, 1 monkey wrench, 12 spanners, 4 ladder straps, 1 hose patch, 2 small oil cans, 1 large oil can, 5 bracket lamps, 2 desk lamps, 3 arm chairs, 6 common chairs, 3 settees, 1 patent torch, 1 broom, 1 dust pan, 1 snow shovel, 1 pail, 1 sponge, 1 chamois skin, 2 tables, 1 wood stove.



## BOXER ENGINE COMPANY NO. 3.

Foreman, THOS. E. DOOLEY.

1st Assistant, GEO. McCANNON,

Clerk, WM. A. RODDY,

2nd Assistant, DAN'L MITCHELL,

Treasurer, PATRICK RITCHIE.

Auditor, DAVID E. FLYNN,

## COMMITTEE ON MEMBERSHIP.

PATRICK RITCHIE,

L. J. RUSH,

H. S. LANE.

## MEMBERS.

Battise, Ed. A.	Lane H. S.	Muir, Philip, Jr.
Brothers, Frank	Munson, Geo.	McCannon, Geo.
Dooley, Thos. E.	Mitchell, David	Mercy, Joseph
Daniels, Geo.	Mitchell, Jacob	O'Hara, C. J.
Dunn, Wm. Jr.	Mitchell, Oliver	O'Brien, Michael
Doxey, Nelson	Mitchell, Joseph	Ritchie, Patrick
Flynn, David E.	Merchant, Fred.	Rush, L. J.
Frenier, Henry	Miller, Joseph	Roddy, Wm. A.
Foy, C. E.	Miller, John	Ronge, Henry
Jerome, Albert	Mellon, John	Robarge, Paul
Knox, Frank F.	McDonald, John	Shortsleeves, Fred.
Kane, Geo.	Milliard, Joseph	Vancor, E. E.
Lacy, Henry		

## CITY PROPERTY IN CHARGE OF BOXER ENGINE CO. NO. 3.

1 hand engine, 2 play pipes, 3 axes, 1 crowbar, 2 spanners, with engine. 1 old hose cart, 1 new hose cart, 500 feet rubber lined cotton hose, 500 feet linen hose, 400 feet fair leather hose, 300 feet poor leather hose, 4 play pipes, 15 spanners, 6 patches, 5 ladder straps, 3 pairs rubber mittens, 3 pipeman's hats, 4 rubber coats, 50 feet garden hose, 1 broom, 1 snow shovel, 1 oil can, 3 lanterns, 1 oiling jack, 2 hydrant wrenches, 1 stove, 16 spittoons, 30 chairs, 4 settees, 1 indicator.



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 ETHAN ALLEN ENGINE COMPANY No. 4.

Captain, J. C. RUTHERFORD.

1st Assistant W. H. ZOTTMAN.	Secretary, GEO. E. JOHNSON.
2nd Assistant, F. E. BURGESS.	Treasurer, C. H. CLARK.
President, W. L. BURNAP.	Vice Pres't, ROBERT ROBERTS.

## AUDITORS.

F. H. WELLS,	F. E. PERKINS,	F. L. TAFT.
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## PIPEMEN.

NO.	NO.	NO.
1, Moses Murray.	3, H. L. Ward.	5, Frank Brown.
2, F. W. Ward.	4, W. M. Faulkner.	6, F. B. Boynton.
7, J. J. Flynn.	8, Geo. F. Bell.	

## HYDRANTMEN.

NO.	NO.	NO.
1, W. F. Hendec.	3, W. E. Morse.	5, C. S. Barrett.
2, J. S. Hilliard.	4, T. A. Taft.	6, J. H. Drew.
	7, Geo. L. LaFountain.	

## MEMBERS.

Abernethy, F. D.	Hanrahan, J. F.	Percy, A. N.
Adsit, E. S.	Hendec, W. F.	Perkins, F. E.
Atwood, L. A.	Herrington, F. C.	Pierce, J. L.
Barrett, C. S.	Hill, H. R.	Powers, C. H.
Bell, Geo. F.	Hilliard, J. S.	Roberts, Robt.
Bellrose, J. G.	Isham, W. C.	Russell, J. W.
Berry, M. C.	Isham, F. A.	Rutherford, J. C.
Bowman, W. F.	Johnson, Geo. E.	Seymour, M. C.
Boynton, F. B.	Johnson, S. E.	Simonds, A. B.
Brownell, C. W. Jr.	Johnson, S. M.	Smilie, G. H.
Brown, Frank	Kern, Dan.	Storrs, O. S.
Burgess, F. E.	Kendall, F. M.	Strong, A. G.
Burnap, W. L.	Lamora, John	Sullivan, M. W.
Chambers, W. R.	Lamora, Oliver	Taft, F. L.
Clark, C. H.	Lane, W. H. Jr.	Taft, T. A.
Clark, W. O.	Lane, H. R.	Townsend, C. E.
Cobb, F. P.	Lane, Geo. B.	Van Sicklen, J.
Converse, F. K.	LaFountain, Geo. L.	Walker, Soloman
Derby, B. J.	Lavelle, John	Walker, Hiram
Drew, J. H.	Lord, G. M.	Ward, C. F.
Faulkner, W. M.	Lyman, Elias	Ward, F. W.

## Ethan Allen Engine Co. No. 4—Continued.

Ferguson, W. F.	Macomber, C. E.	Ward, H. L.
Ferguson, C. H.	McMahon, M. D.	Webb, A. S.
Fisher, F. H.	Morrill, M. R.	Weller, W. E.
Flynn, J. J.	Morse, W. E.	Wells, Edward
Foster, D. J.	Mosley, C. N.	Wells, F. H.
Gates, W. B.	Moody, Geo. F.	Whitney, C. H.
Griffin, L. J.	Murray, Moses	Whitney, G. W.
Gutchell, H. J.	Murphy, W. J.	Williams, J. C.
Hall, W. E.	Pease, Fred S.	Zottman, W. H.
Hall, E. Stanley	Peck, John E.	

## CITY PROPERTY IN CHARGE OF ETHAN ALLEN ENGINE CO. NO. 4.

1 hand engine fully equipped, 1 four wheel hose cart in good condition, 1 two wheel hose cart in poor condition, 600 feet leather hose in fair condition, 950 feet leather hose in poor condition, 1100 feet linen hose in good condition, 5 pipes, 12 spanners, 4 ladder straps, 2 pipe-mens hats, 7 rubber coats, 4 pairs rubber mittens, 3 hydrant wrenches, 1 monkey wrench, 1 crow bar, 1 axe, 6 patches, 1 nozzle, 3 oil cans, 1 feather duster, 1 water pail, 2 brushes, 1 indicator, 1 stove, 1 step-ladder, 2 oiling jacks, 1 14 feet ladder, 2 brooms, 1 snow shovel, 1 iron shovel, 1 coal hod.

## HOWARD HOSE COMPANY No. 5.

Foreman, M. C. GRATON.

1st Assistant, T. MORRISON.	Auditor, A. A. DREW.
2nd Assistant, J. P. McGRATH.	Trustee, JOHN BLACK.
Clerk and Treas. THOS. COFFEY.	Steward, ALEX. MORRISON.

## MEMBERS.

Berry, Geo. E.	Devein, Frank	McGrath, James
Black, John	Develin, Henry	McGrath, Owen
Coffey, Thomas	Graton, Milo C.	McGrath, Wm.
Carlin, J. H.	Harrington, W. E.	McGrath, Michael
Cosgrove, Hugh	Harrington, Chester	Mangan, Wm.
Cosgrove, John	Heffron, Patrick	Miller, Alex.
Cosgrove, Patrick	Hanley, John	Murphy, Wm.
Craven, Luke	Lapreese, C.	Phelan, Wm.
Drew, A. A.	Lapreese, Wm.	Russell, John
Dolan, C. L.	Morrison, Thomas	Saddler, John
Denning, J. S.	Morrison, Alex.	Zottman, Frank

## CITY PROPERTY IN CHARGE OF HOWARD HOSE COMPANY NO. 5.

1 hose cart, 500 feet cotton hose rubber lined, 900 feet linen hose in fair condition, 2 play pipes, 1 extra nozzle, 2 crowbars, 2 axes, 2 hydrant wrenches, 1 monkey wrench, 2 hammers, 1 goose neck, 1 whiffletree, 12 spanners, 2 patches, 5 ladder straps, 7 rubber coats and caps, 7 pairs rubber mittens, 1 chamois skin, 2 stoves and pipe, 1 iron shovel, 1 coal hod, 1600 lbs. coal,  $\frac{1}{2}$  cord wood, 3 lanterns, 5 globes, 1 dust pan, 1 oil can, 2 pails, 1 sponge, 2 brooms, 1 scrub-brush, 5 bars soap, 6 curtains.

## CLIPPER HOSE COMPANY No. 6.

Foreman, JOHN W. LOUTHIER.

1st Assistant, ISRAEL MAYO.

Treasurer, LESLIE JEWELL.

2nd Assistant, FREDERICK BROUILLARD. Clerk, NAP. POUQUETTE.

## MEMBERS.

Allen, Charles	Lemair, Frank	Mayo, Ephraim
Brouillard, Fred.	Louthier, John	Ploof, Joseph
Garrow, William	Lothrop, Edison	Snyder, Ernest
Jewell, Leslie	Mayo, Israel	

## CITY PROPERTY IN CHARGE OF CLIPPER HOSE COMPANY NO. 6.

1 hose cart, 500 feet linen hose in good condition, 500 feet linen hose in poor condition, 1 pipe, 5 spanners, 1 hydrant wrench, 1 monkey wrench, 3 ladders, 1 ladder strap, 3 lanterns, 2 rubber coats, 2 rubber caps, 1 table, 5 chairs, 4 settees, 1 stove and pipe, 1 shovel, 1 broom, 1 crow bar, 1 axe, 1 oil can, 1 pail, 6 spittoons, 1 chamois skin, 1 sponge, 1 whiffletree.

## BARNES HOSE COMPANY No. 7.

Foreman, WM. G. HUDSON.

1st Assistant, M. WALL.

Treasurer, J. H. FINNERAN.

2nd Assistant, ED. HUDSON.

Auditor, Jos. WOODS.

Clerk, G. L. NEAL.

Trustee, ALEX. CROSBY.

## EXECUTIVE COMMITTEE.

B. E. RILEY.

ANTOINE ALAPA.

P. KENNEDY.

## MEMBERS.

Alapa, A.	Hudson, Ed.	Waters, J. H.
Conway, M. J.	Lynch, Ed.	Winters, Wm.
Finneran, J. H.	Neal, G. L.	Woods, J.
Foley, Chas.	Redmond, Wm.	Wall, M.
Hathaway, A. J.	Riley, B. E.	Welch, P.
Hathaway, A. T.	Kelly, Geo.	Wakefield, J. W.
Henry, J. F.	Kennedy, P.	
Hudson, W. G.	O'Conner, Wm.	

## CITY PROPERTY IN CHARGE OF BARNES HOSE COMPANY NO. 7

1 prize hose cart, 1 hose cart, 500 feet rubber lined linen hose in good condition, 500 feet linen hose in poor condition, 5 rubber coats, 6 rubber caps, 6 pairs rubber mittens, 4 spanners, 1 hose patch, 1 ladder strap, 1 axe, 2 play pipes, 2 hydrant wrenches, 1 brass cut-off, 1 whiffletree, 1 set runners for cart, 1 tournament pipe, 1 Caswell coupling, 1 monkey wrench, 24 chairs, 3 settees, 1 shovel, 1 broom, 1 coal hod, 1 stove and pipe, 1 ton coal, 25 feet  $\frac{1}{2}$  inch hose, 1 oil can, 2 lamps.

# REPORT

## OF THE

# SUPERINTENDENT OF STREETS.

COMMITTEE ON STREETS AND HIGHWAYS,

Alderman ALGER, Chairman,

Alderman WALKER,

Alderman PIERCE,

Alderman TAFT, Chairman from Apr. 25 to May 25.

ALBERT R. DOW, Superintendent,

From January 1, 1885, to May 25, 1885.

*To the City Council of the City of Burlington:*

GENTLEMEN :—

In accordance with the provisions of the City Charter, I respectfully submit my report for the above period.

### SEWER DEPARTMENT.

#### RECEIPTS.

Cash from Water Department for repairs of

Maple street sewer,.....\$108.68

Cash from Wright and Burnham,..... 75.00

Cash from City Treasurer on account of

sewer fund,..... 490.49 674.17

## DISBURSEMENTS.

One-fourth salary of Superintendent and	
City Engineer,.....	\$119.79
Repairing Maple street sewer, (old).....	112.08
Maple street sewer, (1885),.....	131.38
Pearl street sewer, (repairs),.....	233.50
General repairs of sewers,.....	77.42
	<u>\$674.17</u>

## STREET LIGHT DEPARTMENT.

## RECEIPTS.

Cash from City Treasurer on account of Street Light	
Fund,.....	\$42.75

## DISBURSEMENTS.

General repairs, including painting,.....	\$42.75
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## PUBLIC BUILDINGS AND PARKS.

## RECEIPTS.

Cash from Committee,.....	{ for City }	\$101.61
Cash from Porter Manufacturing Co....	{ Market. }	3.58
		<u>\$105.19</u>

## DISBURSEMENTS.

Battery Park,.....	100.71
City Hall,.....	.90
City Market,.....	3.58
	<u>\$105.19</u>

## STREET DEPARTMENT.

## RECEIPTS.

Cash from sale of tools and stock.....	\$	19.37
" " " " street cleanings.....		19.25
" " repairing tools.....		2.05
" " individual account.....		206.38
" " general repairs .....		46.82
" " Water Department.....		83.78
" " Fire Department.....		23.78
" " Town of Colchester, collec- tion of bridge expense.....		199.10
" " City team account, rent, etc.		82.50
Earnings of city teams, by labor.....		463.32
Cash from City Treasurer, avails of taxes (\$265.81 returned as shown in dis- bursements).....		3,580.98
		—————\$4,727.33

## DISBURSEMENTS—STREETS.

Adams street.....	\$	.70
Bank street.....		13.26
Barrett street.....		6.30
Colchester avenue.....		3.75
Champlain street.....		17.56
Church street.....		164.45
First street.....		6.75
Hyde street.....		1.47
Intervale road.....		12.75
King street.....		.50
Main street.....		12.79
Maple street.....		93.08
Marble avenue.....		4.66
North Bend street.....		3.38



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North street.....	\$3.90
Pearl street.....	.97
Proctor road.....	7.70
Patchen road.....	1.39
Poplar street.....	2.70
Shelburn street.....	1.40
School street.....	2.58
St. Paul street.....	8.15
University Place.....	1.12
Union street.....	112.90
Winooski road.....	103.83
Winooski avenue.....	8.33
Willard street.....	6.55
Cleaning streets and crossings.....	110.28
General repairs curbing.....	3.50
General repairs flagging.....	1.45
Unclassified repairs.....	659.51
Cleaning basins.....	6.39
	————\$1,384.05

## DISBURSEMENTS—BRIDGES.

Winooski bridge.....	\$ 33.95
Heineberg bridge.....	961.57
	————\$995.52

## DISBURSEMENTS—SIDEWALKS.

General repairs of sidewalks.....	\$ 2.70
Sidewalks, Pine.....	.30
"    Pearl.....	26.32
"    St. Paul.....	3.05
	————\$32.37

## DISBURSEMENTS—MISCELLANEOUS.

Three-fourths salary of Superintendent and City Engineer.....	\$359.37	
Water Department.....	83.78	
Stones.....	17.77	
Sand.....	12.85	
City teams.....	461.31	
Fire Department.....	23.78	
Snow work.....	482.34	
Tools and stock, including house.....	305.02	
Repairing tools.....	72.42	
Individual account.....	207.56	
Health Department.....	1.25	
Stone crusher.....	1.72	
Office expenses, stationery, etc..	\$10.91	
"        "        repairs.....	5.40	
"        "        furniture.....	4.10	
	———20.41	
City Treasurer, cash returned.....	265.81	2315.39
Total Street Department.....		<u>\$4,727.33</u>

## RECAPITULATION.

	RECEIPTS,	DISBURSEMENTS.
Sewer Department.....	\$674.17	\$674.17
Street Light Department.....	42.75	42.75
Public Buildings and Parks Department	105.19	105.19
Street Department.....	4,727.33	4,727.33
Totals.....	<u>\$5549.44</u>	<u>\$5549.44</u>

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TOTAL RECEIPTS.

Cash from City Treasurer, of which \$265.81	
was returned-----	\$4,114.22
Cash from City team account, rent, &c---	82.50
Cash from all other sources, labor, &c----	889.40
Earnings of City teams by labor-----	463.32
	-----\$5549.44

We, the undersigned, have examined the accounts and vouchers of Albert R. Dow, Superintendent of Streets, from January 1, 1885, to May 25, 1885, and find them correct.

M. H. STONE,	} Auditors.
GEO. W. BECKWITH,	
D. A. BRODIE.	

## REMARKS.

Concerning the outlay of the year up to the present date, only a few explanatory remarks are required.

The break in the Maple street sewer, built in 1883, is supposed to have been caused by a break in a water main at a time when the ground was frozen to a depth of five feet or more. The water, having no other outlet until it had worn a hole through the frozen ground, followed the loose filling of the sewer ditch, softening the tamping around the pipe and subjecting the latter to the pressure of the head of water in addition to the weight of the overlying dirt without a proper side resistance of tamping, a test which probably no earthenware pipe could resist.

The break in the Pearl street sewer built in 1880, was at a point where it was almost impossible to get a good foundation on account of an extensive bed of quicksand filled with living springs.

Maple street sewer 1885 means that amount of the new sewer which was done under my jurisdiction.

The cash received from the Porter Manufacturing Company on account of City Market was for repairs to the sewerage of the building.

The outlay at Battery Park was for filling a washout which occurred in the spring during a sudden thaw and rain before the frost was out of the ground, so as to allow the water to soak away.

The expense at the Heineberg bridge was for a complete overhauling of the whole structure and an additional rip-rapping of the pier. As far as can be ascertained the bridge should now be good, with proper care, for twenty years.

As will be seen the City team account up to date stands as follows : Receipts, cash, and labor at the rate of \$1.20 a day for the time worked, \$545.82 ; expenses, including everything properly chargeable, care, rent, insurance, repairs, &c., \$461.38.

The item of tools and stock includes the purchase of a horse at an expense of \$160.00.

Collections made previous to closing the account left a surplus to be returned to the Treasurer of \$265.81.

Respectfully submitted,

ALBERT R. DOW,

Superintendent of Streets.

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# REPORT

## OF THE

# SUPERINTENDENT OF STREETS.

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COMMITTEE ON STREETS AND HIGHWAYS.

Alderman ALGER,  
Alderman WALKER,  
Alderman PIERCE.

JOHN BLACK, Superintendent,  
From May 25, 1885, to Jan. 1, 1886.

*To the City Council of the City of Burlington :*

GENTLEMEN :—

I have the honor to present, herewith, my report for the above period.

### STREET DEPARTMENT.

#### RECEIPTS.

Cash from sale of brick, .....	\$	1.30
Cash from City Treasurer, .....		6,525.97
		\$6,527.27

#### DISBURSEMENTS.

One-fourth salary of Superintendent and		
City Engineer, .....	\$	325.00
Maple street sewer, .....		492.00
Champlain street sewer, .....		1,524.04
Main street sewer, .....		538.87
Pearl street sewer, .....		607.00
Elm street sewer, .....		551.54
Adams street sewer, .....		487.75
Ravine sewer, .....		1,762.17
General repairs of sewers, .....		238.90
		\$6,527.27

## STREET LIGHT DEPARTMENT.

## RECEIPTS.

Cash from City Treasurer,-----\$262.93

## DISBURSEMENTS.

General repairs,-----\$ 6.43  
 Twenty-two lamp posts, <sup>10 painted, 80.00</sup><sub>12 unpainted 90.00</sub>----- 170.00  
 Setting up do----- 10.00  
 Twelve naptha lights, frames, etc.,----- 76.50  
 ----- \$262.93

## PUBLIC BUILDINGS AND PARKS.

## RECEIPTS.

Cash from City Treasurer,-----\$97.67

## DISBURSEMENTS.

City Hall Park,-----\$31.46  
 City Hall driveways,----- 8.00  
 Battery Park,----- 58.21  
 ----- \$97.67

## WINOOSKI BRIDGE.

## RECEIPTS.

Cash from wood sold-----\$ 6.00  
 Cash from City Treasurer, disbursed by  
     himself,----- 7,912.43  
 Cash from City Treasurer disbursed by  
     Black, Superintendent,----- 999.19  
 ----- \$8,917.62



## DISBURSEMENTS.

Labor of men and teams,-----	\$ 296.39
R. F. Hawkins, Winooski abutment,-----	\$2,091.20
R. F. Hawkins, Burlington abutment,-----	2,304.52
R. F. Hawkins, center pier,---	2,362.95
R. F. Hawkins, wing wall, Winooski side,-----	265.00
	<u>7,023.67</u>
Less \$75.00 allowed for old stone,	75.00
	<u>\$6,948.67</u>
J. E. Cheney, Bridge inspector,-----	14.12
Temporary Bridge No. 1,-----	907.01
Temporary Bridge No. 2,-----	255.39
Temporary Bridge No. 3,-----	350.89
General repairs, travelling expenses, printing, nails, lumber, &c., &c.,	145.06
	<u>-----\$8,917.62</u>

## STREET DEPARTMENT.

## RECEIPTS.

Cash from Church street, individual work,	\$ 16.26
“ “ King street,-----	2.00
“ “ General repairs,-----	79.10
“ “ General repairs, Basins,-----	14.30
“ “ Flagging Church street,-----	74.30
“ “ Sale horse,-----	22.50
“ “ Earnings City team acc't.,---	1,165.44
“ “ Individual acc't.,-----	1,132.73
“ “ Tools and stock,-----	42.25
“ “ City Treasurer on account of special appropriations,--	1,450.00
“ “ City Treasurer,-----	12,863.40
“ “ Crusher, miscellaneous work,	3.50
	<u>-----\$16,865.78</u>

## DISBURSEMENTS ON ACC'T OF SPECIAL APPROPRIATIONS.

Crusher,-----	\$1,000.00
Clarke street,-----	96.80
Mansfield avenue,-----	241.58
General repairs,-----	111.62
	-----\$1,450.00

## DISBURSEMENTS—STREETS.

Adams street,-----	\$ 13.29
Archibald street,-----	14.88
Bank street,-----	13.15
Battery street,-----	13.18
Cedar street,-----	13.40
Center street,-----	35.98
Champlain street,-----	19.17
Church street,-----	528.47
Colchester avenue,-----	28.96
College street,-----	50.89
Decatur street,-----	6.15
Elm street,-----	.62
Elmwood avenue,-----	31.19
First street,-----	19.55
Front street,-----	46.15
Grant street,-----	42.95
Howard street,-----	29.32
Intervale avenue,-----	24.10
Intervale road,-----	8.00
King street,-----	100.61
Loomis street,-----	32.37
Main street,-----	114.10
Maple street,-----	424.42
Monroe street,-----	60.84
North avenue,-----	16.55
North Bend,-----	14.29
North street,-----	24.60
Park avenue,-----	7.60
Patchen road,-----	4.70
Pearl street,-----	761.97
Peru street,-----	5.54

## Disbursements—Continued.

Pine street,-----	41.99
Pitkin street,-----	22.61
Pomeroy street,-----	14.28
Prospect street,-----	26.62
Rose street,-----	5.78
St. Paul street,-----	92.76
Shelburn street,-----	5.31
Spruce street,-----	57.22
Summer street,-----	6.48
Summit street,-----	6.45
Union street,-----	580.65
Willard street,-----	39.90
Williams street,-----	18.18
Winooski avenue,-----	25.71
Winooski Road,-----	120.49
Cleaning streets,-----	503.08
Unclassified repairs,-----	1,697.89
	<u>\$5,772.39</u>

## BASINS.

Basin corner Union and Main streets, - \$	139.51
“ “ Union and College streets,-----	111.18
“ “ College street,-----	50.69
“ “ Church and Maple street, (Southeast corner),---	47.18
“ “ Church and Maple street, (Northeast corner),---	48.26
“ “ Main and Summit streets,-----	104.24
“ “ Main St. and Winooski ave., (repairs),-----	2.37
“ “ Pearl and Williams Sts.,-	128.80
“ “ Pearl and Willard Sts.,---	46.58
Cleaning Basins,-----	111.71
	<u>\$790.52</u>

## CURBING.

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Curbing Main street,-----	\$ 6.80
“ Elmwood avenue,-----	23.28
“ Pearl street,-----	451.32
“ Union street,-----	309.19
“ Winooski avenue,-----	98.64
General repairs of curbing,-----	27.99
	<hr/> \$917.22

## FLAGGING.

Flagging Pearl street,-----	\$481.82
“ Winooski avenue,-----	99.97
“ Church street,-----	74.30
“ Union street,-----	239.91
General repairs of flagging,-----	50.59
	<hr/> \$946.59

## GRAVELLING.

Gravelling Winooski avenue,-----	\$559.67
“ King street,-----	16.30
“ Spring street,-----	89.93
“ Allen street,-----	100.05
“ Elmwood avenue,-----	30.00
“ Sidewalk, Prospect street,-----	68.45
“ Front street,-----	139.39
“ Pitkin street,-----	53.68
	<hr/> \$1,057.47

## GUTTERING.

Guttering St. Paul street,-----	\$ 16.77
“ College street,-----	3.91
“ Pearl street,-----	360.00
“ King street,-----	9.82
“ Main street,-----	2.55
“ Union street,-----	258.64
“ Winooski avenue,-----	51.09
“ Elmwood avenue,-----	89.16
“ Church street,-----	5.67
	<hr/> \$797.61

## SIDEWALKS.

Sidewalk Main street,-----	\$8.70
“ St. Paul street,-----	30.77
“ Monroe street,-----	25.34
“ School street,-----	14.59
“ College street,-----	1.00
“ King street,-----	8.29
“ Church street,-----	2.29
“ Elmwood avenue,-----	28.28
“ Elm street,-----	7.88
“ Maple street,-----	12.40
General repairs of sidewalks,-----	2.25
	-----\$141.79

## MACADAMIZING.

Macadamizing St. Paul street,-----	\$449.81
“ Union street,-----	1311.94
	-----\$1,761.75

## MISCELLANEOUS.

City team account,-----	\$861.40
Cutting weeds,-----	41.60
Crossings,-----	176.49
Heineberg bridge,-----	330.39
Potash bridge,-----	62.23
Individual accounts,-----	1,124.18
Office expenses,-----	7.65
Repairing tools,-----	67.97
Snow work,-----	86.77
Tools and stock,-----	421.15
Crusher, miscellaneous work,-----	3.50
Water Works,-----	47.11
	-----\$3,230.44
Total Street Department,-----	\$16,865.78

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 RECAPITULATION.

Sewer Department,-----	\$ 6,527.27
Street Light Department,-----	262.93
Public buildings and parks,-----	97.67
Winooski bridge,-----	8,917.62
Street Department,-----	16,865.78
	<hr/> \$32,671.27

## TOTAL RECEIPTS.

Cash from City Treasurer,-----	\$30,111.59
Labor, individuals, teams,	
&c.,-----	2,484.13
Sales,-----	33.30
Tools and stock,-----	42.25
	<hr/> \$32,671.27

We, the undersigned, have examined the accounts and vouchers of John Black, Superintendent of Streets, from May 25, 1885, to Jan. 1, 1886, and find the vouchers genuine and the accounts correct.

MICAH H. STONE,	} Auditors.
GEO. W. BECKWITH,	
DAVID A. BRODIE,	

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In order to obtain the actual cost to the City of the Department and its branches the following items of unused material purchased during the year and bills still due the Department must be deducted from the total expenditures :

Cash on hand,-----	\$ 55.95
Unpaid bills,-----	211.34
Sewer assessments,-----	4059.41
Material unused,-----	911.50
	<hr/> \$5,238.20

## MATERIAL UNUSED.

Tile,-----	\$218.60
Flagging,-----	22.40
Curbing,-----	75.00
Lamp Posts,-----	64.00
Castings,-----	93.50



Castings for Crusher,-----	30.00
Brick,-----	97.50
Crossings,-----	26.00
Lumber,-----	49.50
Crushed Stone,-----	26.50
City team material,-----	28.50
Tools and stock,-----	180.00

\$911.50

According to the City Treasurer's report the Street Department is overdrawn \$20.87.

## SEWER DEPARTMENT.

Since May 25, 1885, there have been built seven new sewers, all in accordance with the City's sewer-plan, as described in the following table :

STREET.	SIZE.	SHAPE.	MATERIAL.	LENGTH.	ASSESSED CITY.	ASSESSED PROPERTY.	TOTAL COST.
Maple -----	12 in.	Circular	Akron tile----	492.7 ft.	42.56-	489.44----	\$532.00
Champlain-----	12 "	"	Portland tile.	1652.5 "	66.87-	1537.17----	1604.04
Main-----	12 "	"	Akron tile----	441.5 "	2.81-	576.00----	578.81
Pearl-----	24 "	Egg	Brick-----	406 "	239.62-	407.38----	647.00
Elm-----	12 "	Circular	Akron tile----	655 "	39.73-	551.81----	591.54
Adams-----	12 "	"	"	425.5 "	30.14-	497.61----	527.75
Ravine-----	48 "	"	Brick-----	451.5 "	1807.23-	-----	1807.23
TOTALS-----				4524.25	2228.96	4059.41	\$6288.37

The expense of all these sewers is assessed to property owners, with the exception of the Ravine Sewer, the cost of which is defrayed by the city. This sewer was built on land the right of way through which was purchased of the Burlington Mf'g. Co., giving us also the right to use a sewer built by them, running from the end of this sewer to the Lake. It has an 8-inch wall and is coated on the inside with a heavy layer of Portland cement.

The Pearl Street sewer is also excepted from the sewers assessed to property owners. It was assessed at the same rate per foot as was the Champlain street sewer, and the balance was paid by the city.

All the sewers are provided with all necessary connection entrances, man-holes, lamp-holes, basin entrances, etc.

#### STREET LIGHT DEPARTMENT.

There have been purchased during the year twenty-two lamp-posts and twelve naphtha lights with frames and fixtures. Fifteen lights, three of which are gas lamps, have been put in position on the following streets.

	Naptha.	Gas.
Barrett street,.....	2	
Murray street,.....	1	
Spruce street,.....	1	
Union street,.....		1
Hayward street, .....	1	
Willard street, .....	1	
University Place, .....		2
Winooski road,.....	6	
	—	—
Totals,.....	12	3

A few general repairs have also been made by me for this department.

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## PUBLIC BUILDINGS AND PARKS.

All expenses incurred by me in this department have been for general repairs about the parks and for the construction of two drive-ways through the curbing on Church street, necessitated by the removal of the gutter bridges.

## STREET DEPARTMENT.

The heaviest expense of the year has been caused by the extensive repairs on Pearl, Union and St. Paul streets. Pearl street has been brought to grade from the Ravine to Prospect street, and has been curbed and guttered from Church street to Prospect street, excepting one side of the street between Union and Willard streets. With the exception of two blocks the flagging is five feet wide. On these two blocks the width is four feet.

Union street has been brought to grade from a point half way between Adams and Spruce streets to Howard street, and macadamized, curbed and guttered the same distance.

Five-foot flagging was also laid from the first named point to a point half way between Spruce and Howard streets.

St. Paul street has been brought to grade, guttered and macadamized between Cherry and Pearl streets.

The south end of St. Paul street, between Maple and Adams streets, has been widened.

On Winooski avenue one side has been flagged from Cherry to Grant streets and the opposite side from Pearl to Grant streets. With the exception of one hundred feet between Grant and Pearl streets the same distance has also been flagged.

Elmwood avenue, with the exception of the Unitarian Church property, which had been curbed and guttered dur-

ing a former year, has been curbed and guttered from Pearl to Grant streets.

In the flagging and curbing of these streets, the City has done the digging, grading and guttering, furnishing only the sand ; the property owners in every case paying for the curbing and flagging stones and for placing the same in position.

Mansfield avenue has been brought to grade, sidewalks laid and a good road-bed made from Colchester avenue to North street.

Clarke street has been brought to grade, road-bed made, and sidewalks built from Pearl street to Grant street, its entire length.

Church street, between Main and Maple streets, has been brought to grade and widened. The curbing on the east side in front of the Court House has been re-set and flagging has been laid the same distance. The expense of nearly all these Church street repairs at the Court House property has been defrayed by the County and the United States Government.

Maple street, between St. Paul and Church streets, has been widened and brought to grade.

King street has been brought to grade between Church and St. Paul streets.

Union street, on the north side of the ravine between College and Pearl streets, has been cut down and graded.

Besides the above mentioned improvements a large amount of labor has been expended in more general repairs throughout the City. The road-making machine has been liberally used to turnpike many of the less travelled streets, and with good success.

From one hundred and fifty to one hundred and seventy-five dollars was expended in trimming trees throughout the City.

A large amount of the "Baxter" gravel has this year been used. Winooski avenue was gravelled from Grant street to the soap-works ; Spring street, from Elmwood avenue to North Bend ; Front street, its entire length from the Battery

to North street; Prospect street sidewalk, from Loomis to Pearl street, and about one-half the length of Pitkin street was also covered with the same material.

The bridge over Potash brook and the Patchen road bridge have been entirely rebuilt.

Heineberg bridge has been re-shingled, and a part of the planking renewed, besides a general repair of the whole structure.

Eight new corner basins have been built at considerable outlay, to provide for the surface water. The position of these basins will be found in the previous portion of my report.

One single and thirteen double crossings have been laid this year as follows :

Across Clark street at Pearl street, double.

"	Union	"	"	"	"	"	North side.
"	"	"	"	"	"	"	South "
"	Willard	"	"	"	"	"	" "
"	"	"	"	"	"	"	North "
"	Williams	"	"	"	"	"	
"	Winooski avenue	at Grant street,	double,	South	"		
"	Grant street	at Winooski avenue,	"	East	"		
"	"	"	Union street,	"	West	"	
"	Union	"	Loomis	"	"	North	"
"	Loomis	"	Union	"	"	East	"
"	Union	"	College	"	single,	South	"
"	Spruce	"	Union	"	double,	East	"
"	"	"	"	"	"	West	"

More than one half of these are paved between the crossing stones, but the cold weather prevented the completion of the work.

The snow work this season has thus far been light, and has consisted chiefly of clearing sidewalks and gutters.

In the City Team Department five horses have been owned and used on the streets, and one has been hired during the busiest part of the year. But four horses are now owned, one having been recently sold on account of old age.



The charge to tools and stock consists chiefly of brick, lamp-posts, sewer-plank, man-hole-tops, grates, etc., etc., all being in good condition and ready for use during the coming year.

The expense thus far for Winooski Bridge, as will be seen in a former part of this report, consists chiefly of the amounts paid for the sub-structure and for the temporary bridges necessitated by various causes. The bill for the amount due from Colchester on the Bridge account has been placed in the City Treasurer's hands for collection.

The crusher has been put in thorough repair, at an expense something over one thousand dollars. 1600 loads of stone were drawn to Union street, and 400 to St. Paul street. The work of crushing stone this year has cost about fifty cents per ton, but in the future will cost a little more, inasmuch as the labor of obtaining the stone, and the distance to be travelled with the uncrushed stone, will increase each season, besides an extra expense of *purchasing* the uncrushed stone.

### TOTALS

#### OF CURBING, GUTTERING AND FLAGGING.

Total amount of Curbing set since May 24, 1885, 10,337 feet.

Total amount of Guttering done, 10,437 feet.

Total amount of 5-foot flagging laid, 5072 feet, linear measure. 4-foot flagging, 2670 feet.

With many thanks to the members of the Street Committee and of the City Council for their uniform courtesy to, and interest in, the Department,

I am very respectfully yours,

JOHN BLACK,

Superintendent of Streets.



# REPORT

## OF THE

# CITY ENGINEER.

*To the City Council of the City of Burlington :*

The annual report of the City Engineer for the year 1885, is respectfully submitted herewith.

The duties of the office include the making of all surveys ordered by the city, or necessary for the construction of work in the Street and Sewer Departments, and all proper mapping of the same for record and future reference.

In accordance with previous reports, the work of the past year, and the total work since the year for which the first report was made, are presented in tabulated form.

	In 1885.	Totals.
Length of macadamized and paved		
roads.....	1,900 ft.	5.733 miles.
“ “ gravelled roads.....	5,606 “	9.917 “
“ “ sidewalks curbed and flag- ged.....	7,742 “	4.418 “
“ “ sidewalks curbed only.....	2,595 “	2.446 “
Number of stone crossings.....	14	86
“ “ street basins.....	9	49
“ “ “ lights.....	15	183

### SEWERS 1885.

Length of 12 inch Akron tile.....	2,014 ft.
“ “ 12 “ Portland tile.....	1,652 “
“ “ 24 “ Brick.....	406 “
“ “ 48 “ “.....	451½ “
Total,	4,523½ ft.

## TOTAL LENGTH OF SEWERS.

SIZE.	CEMENT PIPE.	BRICK.	VITRIFIED PIPE.	STONE.	TOTALS.
8 in.	365 ft.	.....	7,063 ft.	.....	1,071.3 feet.
10 "	.....	.....	370 "	.....	370 "
12 "	9,680 "	.....	14,817.4 "	.....	24,497.4 "
15 "	.....	.....	1,882 "	.....	1,882 "
18 "	3,840 "	1,505 ft.	2,714.5 "	.....	8,059.5 "
24 "	525 "	1,748 "	165 "	.....	2,438 "
30 "	.....	1,175 "	.....	.....	1,175 "
36 "	.....	1,714 "	.....	.....	1,714 "
48 "	.....	10,475 "	.....	.....	1,047.5 "
36-48 "	.....	.....	.....	1,600 ft.	1,600 "
60 "	.....	125 "	.....	.....	125 "
72 "	.....	600 "	.....	.....	600 "
Totals ....	14,410ft.	7,914.5ft.	20,655.2 ft.	1,600 ft.	44,579.7 feet

## THE WINOOSKI RIVER BRIDGE.

The old wooden bridge connecting this city and the village of Winooski, having become badly decayed, it was decided to replace it with an iron one. The rubble masonry of the old piers was not considered suitable for so heavy a structure as the new bridge would be, and it was therefore decided to make the new bridge of two equal spans, and to build a new pier in the centre of the river. Upon the request of the street committee, specifications for such a bridge were prepared by the city engineer, and proposals to build a bridge according to these specifications were received from various bridge companies, for sums varying from \$8,269.00, to \$14,000.00.

The Hawkins Iron Works, of Springfield, Mass., were the lowest bidders, and a contract was made with them to do the work and to begin the erection of the new bridge within ten days after the substructure was completed.

Examination of the old abutments made it evident that these also should be rebuilt. Specifications and plans for the masonry of pier and abutments were prepared by the city engineer, and the work of building them was let to the same firm which had contracted to build the superstructure. Work on the masonry was begun early in July, but owing

to delay caused by high water, it was not finished until October. The masonry is built of blue lime-stone, laid in courses, from 14 inches to 26 inches thick, rock faced, with beds and builds, and the joints of the face, dressed.

It was all laid in hydraulic cement, and the stones of the pier forming the ice breaker were fastened together with iron clamps and dowels.

The contractor did not begin work upon the superstructure at the time specified in the contract, the iron not being ready. When the erection finally began, it was interrupted and greatly delayed by a flood which carried out the false works, and dropped the first span into the river. As soon as the water had fallen sufficiently to permit it, the work of erection was again commenced, the iron for second span being used, and the north span has been so far completed as to be safe from further freshets.

The iron of the fallen span has been recovered from the river bed, some portions being uninjured, and others more or less damaged. The damaged pieces were sent back to the shop to be replaced or repaired.

The bridge is a through bridge with pin connections, and of the Pratt type. Each span is 137 feet long between end pins, 19 feet in clear between trusses, with a five feet sidewalk on each side of the bridge outside the trusses.

It is proportioned to carry a load of 90 pounds to the square foot on both roadway and sidewalks. The floor beams are of iron and the stringers of southern pine.

Respectfully submitted,

V. G. BARBOUR,

City Engineer.

# REPORT

## OF THE

# HEALTH OFFICER.

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*To the Honorable City Council :*

GENTLEMEN :—

I have the honor to present the report of the Health Department, together with the vital statistics and the City Physician's report, for the year 1885.

### HEALTH OF THE CITY.

The death rate for the past year is 19.73 per 1,000. Although this is a higher figure than for several years, the mortality from *zymotic* diseases, or diseases which are either epidemic, endemic or contagious, and, which are in a measure preventable by sanitary regulations, is 15.78 per cent.; the smallest percentage since the present registration system was adopted.

During the first part of the year an epidemic of measles occurred, nearly 800 cases being reported to this office.

Twenty-five cases of diphtheria were reported, 10 of which (or 40 per cent.), were fatal. In October, 2 cases of confluent small-pox were found on Battery street, in a tenement house, in which four families were living.

As a number of persons had been exposed before a quarantine could be established, an epidemic from this dread disease seemed imminent.

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The patients, with other members of the family, were at once removed to the pest house, all persons in the vicinity vaccinated immediately, the house they left thoroughly fumigated, and a quarantine of this house and one other, (the inmates of which had had constant intercourse with the afflicted family), established and maintained for two weeks. At the end of this time, no other cases appearing, the quarantine was relaxed.

Of the persons removed to the pest-house, one—a child—died, one other had small-pox, and two had varioloid; or five cases altogether.

As near as can be ascertained, the disease was brought from Montreal, before the adoption of the United States inspection service on the frontier. Our escape from the importation of more cases of this disease from Canada, was most fortunate, and I have no doubt was due *entirely* to the efficient sanitary inspection adopted by the United States Marine Hospital service, under the immediate supervision of Surgeon H. W. Austin.

The inmates of the pest-house were well provided for by Mr. and Mrs. Miller; the persons in charge of the poor farm, on the premises of which the pest-house is situated.

The fact that no case of typhoid fever was reported to the health officer during the year, refutes the possibility of the cause of the appearance of this disease in 1884, being in our water supply, as was at that time suggested.

There was one prosecution for causing a nuisance, by emptying the contents of a cess-pool into a public street, which resulted in judgment for the city.

#### SANITARY IMPROVEMENTS.

Among the sanitary improvements which have been



made during the past year, may be mentioned the laying of the following sewers, viz.

Ravine, from St. Paul to Pine street.

Champlain street, from Main to Pearl street.

Pearl           “       “ Champlain to Pine   “

Elm           “       “ Spruce       “ Adams “

Adams       “       “ Elm           “ Union “

Main street, from residence of Henry Wells to summit.

Maple “       “ middle of Smith's block to St. Paul street.

The building of the “ravine” sewer, from St. Paul to Pine street, removed what was one of the greatest nuisances prior to the construction of said sewer.

A number of gutters opening directly into sewers, which have been heretofore untrapped, were trapped during the year.

Among the sanitary improvements needed, the construction of a trunk sewer on Battery street, is the most urgent. At present, almost the *entire* sewage from the houses on this street, from Pearl to Maple street, flows on the surface uncovered, and in the middle of the street, and every person entering this city by rail or by boat, must pass across this *flow of filth*, before he can reach a hotel.

I would respectfully and earnestly recommend, that as soon as possible in the spring, the city construct this long needed sewer.

The sewer on Loomis street should be relayed in such a manner as to empty into the Union street sewer, and thus prevent the flow of sewage on the surface of the ground, in the ravine between Loomis and Pearl streets.

The sewer in the ravine, between Pearl and College streets, ought to be entirely covered.

I would suggest that the sand-bank at the extreme north



end of Interval Avenue, and sloping down to the grade of the railroad, be hereafter used for a dumping place, providing permission can be obtained from the Central Vermont R. R. Co. If suitable spouts were erected, sufficient to conduct the garbage to the foot of the bank, the washing down of sand by the rain from the bank, would, I think in a measure, tend to keep the garbage, etc., covered.

Unless the sewer on St. Paul street is extended to Maple street, at an early date, thereby cutting off and stopping the old "*cross town*" sewer, the city may possibly be sued for damages by property owners along its line.

I would also recommend that the existing ordinance in relation to sewer connections, be so changed or amended, as to give the Health Officer the power to compel property owners to connect their premises with sewers, whenever in his judgment such connection is necessary to the proper sanitary condition of the premises.

#### NUISANCES.

The following nuisances were abated in 1885.

Foul privies.....	59
Hog pens.....	32
Filthy yards.....	24
Foul drains.....	19
Foul cess-pools.....	15
Imperfect sewer connections.....	15
Filthy dumping places.....	8
Dead animals.....	7
Manure heaps.....	4
Foul cellars.....	2
Hen yards.....	2
Prosecution for causing nuisance.....	1

## REPORT OF CONTAGIOUS OR INFECTIOUS DISEASES.

The following table shows the season and number of cases of contagious or infectious diseases reported to this office by physicians and others, as required by city ordinance, in 1885.

DISEASE.	SEASON.											
	Jan...	Feb...	March.	April..	May...	June..	July...	Aug...	Sept...	Oct...	Nov...	Dec...
Erysipelas.....				1								
Measles.....		1	23	242	379	117	32					
Diphtheria.....		1		1	1	4	1		6	3	7	1
Chicken-pox.....			1									
Scarlet fever.....				1								
Small-pox.....									2			
Total.....		2	24	245	380	121	33		6	5	7	1

## BURIAL PERMITS.

The following list shows the number of burial and removal permits granted during the year 1885, together with the number buried in each place of interment:

Permits for burial in the Roman Catholic Cemeteries.....	212
“ “ “ and entombment in Lake View Cemetery.....	85
“ “ “ in Green Mount Cemetery.....	13
“ “ “ in Elmwood Avenue “.....	20
“ “ “ in private grounds.....	1
“ “ removal from the city.....	31
“ “ “ within the city.....	6
Total.....	368

## EXPENSES OF THE HEALTH DEPARTMENT

FOR THE YEAR 1885.

657 certificates of births and deaths.....	164.25
259 burial permits.....	64.75
Printing.....	57.16
Printing, binding and distributing pamphlets concerning Sanitary regulations, &c.,.....	58.00
Stationery.....	7.50
Postage.....	3.10
Removing dead animals.....	5.00
Livery.....	.75
Vaccinating city, expense of quarantine, virus, clothes for small-pox patients, part of bills at pest house.....	1,696.73
Salary for year.....	200.00

## ANALYSIS OF THE VITAL STATISTICS.

The marriages in 1885 numbered one hundred and fifteen; the births three hundred and ninety-one; and the deaths two hundred and sixty-six. Excess of births over deaths, one hundred and twenty-five. There were in 1885 eight *less* marriages, eleven more births, and twenty-eight more deaths than in 1884. Still births are included in the totals of births and deaths.

## MARRIAGES.

The ratio of persons married in 1885 to the whole population was 1 to 58.91.

*Season.*—There were 18 marriages in the first quarter of the year, 39 in the second, 23 in the third, 35 in the fourth.

The month of September had the largest number (21) and the month of March the smallest number (4).

*Nativity of the Parties.*—Seventy-four of the grooms and 83 of the brides were born in the United States ; 31 grooms and 25 brides in Canada ; 1 groom and 1 bride in Ireland ; 4 grooms and six brides in other countries.

#### BIRTHS.

The total number of births in 1885 was 391—13 more than in 1884. Included in this number were 5 illegitimate births, 3 twin births, and 20 still-births. Proportion of live births to population, (13,500) 1 to 36.38.

*Sex.*—Male children, 210 ; female, 181.

*Parentage.*—290 fathers and 234 mothers were born in the United States ; 119 fathers and 118 mothers were born in Canada ; 25 fathers and 14 mothers were born in other countries. The nativity of 11 fathers and 4 mothers was unknown.

*Season.*—The largest number of births, 108, occurred in the third quarter of the year ; 96 in the second quarter ; 95 in the fourth quarter ; and the smallest number 92, in the first quarter.

*Locality.*—One hundred and fifty-five births, nearly two-fifths of the total number, occurred in the third ward ; 86 in the second, 78 in the fifth, 59 in the fourth, and 13 in the first ward.

*Twin-births.*—There were 3 twin births in 1885, or 1 to 130 cases.

*Age of mothers.*—The age at which women bore the greatest number of children in 1885, was twenty-six, 27 children having been born by mothers of that age. The youngest mother was 16 years old, and the oldest was 47. Fifteen children were born by mothers 18 years old and under, and 16 by women 40 years old and over.

*Deaths.*—The total number of deaths in 1885, including 19 still-births, was 266, 28 more than in 1884. With the estimated population of 13,500, the ratio of deaths exclusive of still births is 18.22 to 1000 inhabitants, or 1 death in 55.08 of the population. The total number of deaths includes 1 which occurred at the Mary Fletcher Hospital.

*Season.*—The largest number of deaths, 79, occurred in the third quarter of the year, the smallest number, 57, in the fourth quarter.

There were 58 in the first, and 72 in the second quarter.

The greatest monthly mortality was in May, 34 deaths occurring in that month; the smallest, 12 deaths, was in April.

*Sex.*—Of the 266 deaths 147 were male and 119 females.

*Social Relations.*—One hundred and eighty-six of the deaths, including 19 still-births, were of single persons, 50 of married, and 30 of widowed.

*Age.*—Ninety-three of the deaths, including 19 still-births, were under 1 year of age, being 34.96 per cent. of all deaths; 45 deaths were of children between 1 and 5 years old, or 16.91 per cent. of all deaths; 22 between the age of 5 and 20, or 8.27 per cent. of the total; 42 were between the ages of 20 and 50, or 15.78 per cent. of the total; 31 between the ages of 50 and 70 or 12.03 per cent. of the total, and 33 over 70, or 12.4 per cent. of the total.

*Nativity.*—Two hundred and twenty-one of the decedents, including 19 still-births, were born in the United States, 26 in Canada, 16 in Ireland, and 3 in other countries.

*Locality.*—The largest number of deaths, 95, occurred in the third ward; 57 in the fifth; 55 in the fourth; 45 in the second; and the smallest 12, in the first ward.



*Causes of Death.*—The deaths from zymotic diseases, or those which are either epidemic, endemic, or contagious, and which can, to a great extent, be prevented by the observance of sanitary precautions, numbered 41, or 15.78 per cent. of all deaths. Four of these were from croup; 13 from Cholera Infantum; 11 from Measles; 10 from Diphtheria; 1 each from Erysipelas, Typho-Malarial Fever, and Dysentery.

*Season.*—There was one death from Croup in each of the months of February, March, June and October; 5 deaths from Cholera Infantum in each July and August; and 1 in each May, June and September; 7 deaths from Measles in May, and 2 in each June and July; 1 from Diphtheria in May, 2 in June, 4 in September, 2 in November, and 1 in December; 1 from Typho-Malarial Fever in June, and 1 from Dysentery in October.

*Age.*—Thirty-five of the decedents from zymotic diseases were under 5 years, and 4 between 5 and 20.

*Nativity and Social Relations.*—All but 2 were born in the United States and were single.

*Locality.*—Three of the deaths in this class occurred in Ward I, 9 in Ward II, 15 in Ward III, 5 in Ward IV; 9 in Ward V. Of the deaths from Diphtheria, there was one in each Wards I, III and IV, and 7 in Ward V.

The number of deaths from Constitutional diseases was 43, or 16.12 per cent. of the total deaths for the year.

There were 25 deaths from Consumption, 2 less than in 1884; 10 from Cancer; 5 from Hydrocephalus; 2 from Tubercular Meningitis, and 1 from Tuberculosis Mesenterica.

*Season.*—The largest number of deaths from Consumption in one month, was 7 in October. There was only 1



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month (August), in which there was not a death from Consumption.

*Sex and Social Relations.*—Of the deaths from Consumption, 10 were male and 15 female, 19 were single, 5 married and 1 widowed.

*Age.*—Ten were between 5 and 20 years old, and 14 were between 20 and 50, and 1 over 70 years old.

*Nativity.*—Twenty-two were born in the United States, 2 in Canada, and 1 in Ireland.

*Locality.*—Two died in the second ward, 10 in the third, 8 in the fourth, and 5 in the fifth ward.

One hundred and eighteen deaths, or 44.36 per cent. of the number of deaths for the year, occurred from *local* diseases, the class in which particular organs or systems are affected. Twenty-four of these deaths were in the order of Nervous diseases; 45 Respiratory; 14 Digestive; 8 Urinary, and 1 Generative.

There were 29 deaths from Pneumonia, 24 more than in 1884.

There were 2 deaths from Pneumonia in January; 8 in February; 2 in March; 1 in April; 3 in May; 3 in June; 2 in July; 1 in September; 2 in October; 4 in November, and 1 in December.

There were 15 deaths from Heart disease; 9 from Capillary Bronchitis, and 8 from Enteritis.

*Sex and Social Relations.*—Of the deaths in this class, 57 were male, and 61 female; 70 were single; 28 married, and 20 widowed.

*Age.*—Under 1 year of age 26; 1 to 5—23; 5 to 20—7; 20 to 50—19; 50 to 70—23, and over 70—20 deaths.

*Nativity.*—Eighty-nine were born in the United States ; 16 in Canada ; 10 in Ireland, and 3 in other countries.

*Locality.*—There were 6 deaths in this class in Ward I ; 20 in Ward II ; 32 in Ward III ; 31 in Ward IV, and 29 in Ward V.

*Developmental* diseases which occur incidentally to the formative, reproductive and nutritive processes, are represented by 52 deaths during the year, or 19.54 per cent. of the total deaths. Under the order of children appear 19 still-births ; 10 from Congenital debility, and 3 from premature birth. There was one death under the order of women, from placenta prævia.

In the order of old people, there were 12 deaths ; 11 from old age, and 1 from caries of the spine. All the deaths in the order of Nutrition, were from inanition and Marasmus ; there were 7.

*Season.*—There was nothing noteworthy in the distribution of these deaths through the year.

*Sex.*—36 males, 16 females.

*Social Relations.*—Single 40, Married 4, Widowed 8.

*Age.*—Under 1 year—36 ; from 1 to 5—3 ; from 20 to 50—1 ; 50 to 70—4 ; over 70—8.

*Nativity.*—46 were born in the United States, 4 in Canada, and 2 in Ireland.

There were 12 deaths by violence in 1885, 4.5 per cent. of all deaths during the year. Two were from Hæmorrhage ; 4 Unknown, and 1 each from Burn, Hæmorrhage from cord, Fracture of the skull, Fall, Drowning, and Concussion of brain.

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*Sex and Social Relations.*—Eight were males, and 4 females ; 10 were single, 1 married, and 1 widowed.

*Age.*—Six were under 1 year of age ; 1 between 1 and 5 ; 1 between 5 and 20 ; 3 between 20 and 50, and 1 over 70.

*Nativity.*—Ten were born in the United States, and 2 in Canada.

In closing this report, I wish to acknowledge the cordial support and hearty co-operation of the members of the Health Committee, that has always been tendered me in all matters pertaining to this department.

Respectfully submitted

JO. H. LINSLEY, M. D.,

Health Officer.

VITAL STATISTICS  
OF THE  
CITY OF BURLINGTON VERMONT.  
FOR THE YEAR 1885.

Table 1.—Marriages, Season and Nativity.

[illegible]

Table 2.--BIRTHS.--Season, Sex, Locality of birth, Nativity of Parents, Number of Mothers of Each Age.

SEASON.	SEX.	NATIVITY.										LOCALITY						AGE OF MOTHER.				
		OF FATHER.					OF MOTHER.					OF BIRTH.						No.	Age.	No.	Age.	
		U. States.	Canada.	Ireland.	Other countries.	Unknown.	U. States.	Canada.	Ireland.	Other countries.	Unknown.	Ward 1.	Ward 2.	Ward 3.	Ward 4.	Ward 5.	Unknown.					Total.
January.....	Male.	20	15	9	0	1	17	7	...	...	1	1	5	9	8	5	...	28	17	23	4	40
February.....	Female.	8	20	8	1	...	17	12	...	...	1	1	5	16	5	4	...	31	17	23	4	41
March.....		16	15	1	1	...	17	15	1	...	...	...	14	6	4	...	...	33	23	25	2	42
April.....		19	14	3	3	1	15	10	1	...	2	...	9	4	9	...	...	34	23	25	3	43
May.....		18	16	6	3	1	22	8	...	...	1	1	11	9	6	7	...	34	26	26	2	44
June.....		15	14	2	1	...	26	11	...	...	...	1	5	15	6	...	...	34	20	27	1	45
July.....		13	15	9	...	1	15	11	...	...	...	2	4	8	3	11	...	28	26	28	1	46
August.....		21	19	20	2	9	26	8	2	3	1	1	9	15	3	12	...	40	25	29	2	47
September.....		23	12	8	1	...	23	8	3	1	...	1	8	17	4	5	...	35	23	30	3	...
October.....		18	15	1	...	...	22	8	2	...	...	2	9	10	7	5	...	33	33	31	1	...
November.....		15	15	13	3	1	13	13	2	2	...	1	8	12	2	7	...	30	13	31	3	...
December.....		19	13	5	1	...	19	9	2	1	1	1	8	13	4	4	...	32	17	32	...	...
Totals.....		13	20	9	2	4	19	9	1	3	...	1	5	18	4	5	...	33	...	...	...	...
Totals.....		210	181	209	119	25	234	118	14	18	4	13	86	155	59	78	...	391	...	...	...	...

Illegitimate births, 5; Twin births, 3; Still-births, 13 Male; 7 Female; total, 20. Births in 1884, 380.

Table 3.--Deaths, Disease, Season, Sex and Social Relations.

CAUSE OF DEATH.	SEASON.												SEX.		SOCIAL RELATION.			TOTAL.
	January.	Febr'y.	March.	April.	May.	June.	July.	August.	Sept'er.	October.	Nov'er.	Dec'er.	Male.	Female.	Single.	Married.	Wid'w'd.	
CLASS I.—ZYMOTIC.																		
ORDER I.—Miasmatic.																		
Croup.....	1	1				1				1			2	2	4			4
Erysipelas.....				1										1	1			1
Cholera Infantum.....					1	1	5	5	1				11	2	13			13
Measles.....					7	2	2		4		2		4	7	11			11
Diphtheria.....					1	2						1	8	2	10			10
Typho Malarial Fever.....					1								1	1		1		1
Dysentery.....										1				1		1		1
CLASS II.—CONSTITUTIONAL.																		
ORDER I.—DIATHETIC.																		
Cancer.....	1	1	1		1	1	1	1	1		2		5	5		9	1	10
ORDER 2.—TUBERCULAR.																		
Phthisis.....	3	1	1	2	3	2	1		2	7	2	1	10	15	19	5	1	25
Tubercular Meningitis.....		2											1	1	2			2
Hydrocephalus.....			2					1		1	1	1	4	1	5			5
Tuberculosis Mesenterica.....					1									1	1			1



CLASS III.—LOCAL.									
ORDER 1.—NERVOUS.									
Meningitis.	2.	1.	1.	2.	2.	3.	5.	5.	2.
Encephalitis.	1.	1.	1.	2.	2.	2.	2.	2.	2.
Mania Acuta.	1.	1.	1.	2.	1.	6.	10.	10.	1.
Convulsions.	1.	1.	1.	2.	2.	3.	4.	4.	1.
Paralysis.	1.	1.	1.	1.	1.	1.	1.	1.	1.
Cerebro-spinal Clevisis.	1.	1.	1.	1.	1.	1.	1.	1.	1.
Paralysis Agitans.	1.	1.	1.	1.	1.	1.	1.	1.	1.
ORDER 2.—CIRCULATORY.									
Cyanosis.	1.	1.	1.	1.	1.	1.	2.	2.	2.
Apoplexy.	1.	1.	1.	1.	1.	3.	1.	1.	2.
Heart Disease.	1.	3.	1.	1.	2.	1.	5.	10.	1.
Dropsy.	1.	1.	1.	1.	1.	1.	1.	2.	2.
Hydrothorax.	1.	1.	1.	1.	1.	1.	1.	1.	1.
ORDER 3.—RESPIRATORY.									
Pneumonia.	2.	3.	1.	2.	4.	1.	16.	20.	7.
Bronchitis.	1.	1.	1.	1.	1.	2.	2.	2.	1.
Capillary Bronchitis.	1.	1.	2.	1.	2.	7.	2.	8.	1.
Laryngitis.	1.	1.	1.	1.	1.	1.	1.	1.	1.
Plucro-Pneumonia.	1.	1.	1.	2.	1.	2.	1.	1.	2.
ORDER 4.—DIGESTIVE.									
Disease of Stomach.	1.	1.	1.	1.	1.	1.	1.	1.	1.
Gastro Enteritis.	1.	1.	1.	1.	1.	1.	2.	2.	2.
Enteritis.	1.	1.	2.	2.	1.	5.	7.	7.	1.
Peritonitis.	1.	1.	1.	1.	1.	1.	1.	1.	1.
Cirrhosis of Liver.	1.	1.	1.	1.	1.	1.	1.	1.	1.
Chronic Gastritis.	1.	1.	1.	1.	1.	1.	1.	1.	1.
ORDER 5.—URINARY.									
Bright's Disease.	1.	1.	1.	1.	1.	3.	1.	1.	2.



Table 3 Continued.---Age, Nativity and Percentage from Each Cause.

	DIVISIONAL PERIODS OF LIFE.						NATIVITY.				LOCALITY.					Percentage from each cause.	
	Under 1 Year.	1 to 5.	5 to 20.	20 to 50.	50 to 70.	Over 70.	U. States.	Canada.	Ireland.	Other Countries.	Ward 1.	Ward 2.	Ward 3.	Ward 4.	Ward 5.		TOTAL.
CLASS I.—Zymotic.																	
Order 1.—Miasmatic.																	
Croup.....	4.						4.					1.	3.			4.	1.5
Erysipelas.....	1.						1.						1.			1.	.37
Cholera Infantum.....	13.						13.					3.	6.	3.	1.	13.	4.88
Measles.....	5.	6.					10.	1.			2.	5.	3.	1.	1.	11.	4.28
Diphtheria.....	6.	4.					10.				1.	1.	1.	1.	7.	10.	3.76
Typho Malarial Fever.....			1.				1.							1.		1.	.37
Dysentery.....			1.						1.				1.			1.	.37
CLASS II.—Constitutional.																	
Order 1.—Diathetic.																	
Cancer.....				4.	3.	3.	7.	1.	2.			2.	2.	3.	3.	10.	3.76
Order 2.—Tubercular.																	
Phthisis.....			10.	13.		1.	22.	2.	1.			2.	10.	8.	5.	25.	9.39
Tubercular Meningitis.....	1.	1.					2.							2.		2.	.75
Hydrocephalus.....	5.						5.						3.	1.	1.	5.	1.87
Tuberculosis Mesenterica.....	1.						1.						1.			1.	.37
CLASS III.—Local.																	
Order 1.—Nervous.																	
Meningitis.....		3.		2.			5.				1.			3.	1.	5.	1.87
Encephalitis.....	1.		1.				2.						1.		1.	2.	.75
Mania Apotu.....				1.			1.							1.		1.	.37
Convulsions.....	5.	4.	1.				10.					3.	7.			10.	3.76
aParalysis.....			2.	1.	2.		2.	2.		1.			3.	2.		5.	1.87
Cerebro Spinal Cerosis.....					1.		1.								1.	1.	.37
Paralysis Agitans.....					1.		1.	1.					1.			1.	.37



	No.	Males	Females	Total
<b>CLASS IV.—Developmental.</b>				
<i>Order 1.—Children.</i>				
Still-Born.....	19..	19..	.	. . . 7.14
Congenital Debility .....	9..	9..	1..	... 3.29
Congenital Deformity.....	1..	1..	1..	... .37
Premature Birth.....	3..	3..	1..	... 1.12
<i>Order 2.—Women.</i>				
Placenta Previa.....	1..	1..	1..	... .37
<i>Order 3.—Old People.</i>				
Old Age.....		8..	4..	... 4.28
Caries of Spine.....		1..	1..	... .37
<i>Order 4.—Nutrition.</i>				
Marasmus.....	3..	5..	1..	... 1.87
Inanition.....	1..	2..	2..	... .75
<b>CLASS V.—Violence.</b>				
<i>Order 1.—Accident.</i>				
Burned.....		1..	1..	... .37
Hæmorrhage from Cord .....	1..	1..	1..	... .37
Fracture of Skull.....		1..	1..	... .37
Hæmorrhage.....	2..	2..	2..	... .75
Fall.....	1..	1..	1..	... .37
Drowned.....	1..	1..	1..	... .37
Concussion of Brain.....	1..	1..	1..	... .37
Unknown.....	2..	2..	1..	... 1.5
Total from all Causes.....	93..	45..	22..	66..

REPORT OF THE CITY PHYSICIAN.

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J. H. LINSLEY, M. D., *Health Officer.*

SIR :—I have the honor to report that during the past year there has been very little sickness among the town paupers.

The inmates of the poor house have been remarkably free from sickness,—notwithstanding the fact that many of them have attained the age when they are expected to require more or less medical attendance. This is due to the good care and excellent food they have and to the sanitary condition of the house.

There have been three deaths and one birth at the poor house during the year ; the cause of all the deaths being general debility from old age.

The city is to be congratulated on the small number, and general good health of its pauper charges.

I am, sir,

Very respectfully,

Your obedient servant,

J. C. RUTHERFORD,

City Physician.



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DEPARTMENT OF PUBLIC SCHOOLS.

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BOARD OF SCHOOL COMMISSIONERS.

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PRESIDENT,

H. O. WHEELER, Superintendent.

CLERK,

CHARLES E. ALLEN.

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WARD ONE,

CHARLES E. ALLEN.

Term expires April 1, 1886.

WARD TWO,

HENRY H. DAVIS.

Term expires April 1, 1887.

WARD THREE,

WILLIAM HOGAN.

Term expires April 1, 1886.

WARD FOUR,

J. C. RUTHERFORD.

Term expires April 1, 1887.

WARD FIVE,

D. J. FOSTER.

Term expires April 1, 1887.

STANDING COMMITTEES.

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ON SCHOOL HOUSES AND SCHOOL PROPERTY,  
Superintendent WHEELER and Commissioners  
HOGAN and RUTHERFORD.

ON SCHOOL INSTRUCTION, TEXT BOOKS  
AND TEACHERS,  
Superintendent WHEELER and Commissioners  
FOSTER, ALLEN and DAVIS.

ON FINANCE AND ACCOUNTS,  
Superintendent WHEELER and Commissioners  
ALLEN, DAVIS and HOGAN.

ON RULES AND REGULATIONS,  
Superintendent WHEELER and Commissioners  
RUTHERFORD and FOSTER.

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REGULAR MEETINGS OF THE BOARD,  
First Friday in each month at 7.30 P. M., at  
Superintendent's Office in Fletcher Free Library Building.

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SUPERINTENDENT'S OFFICE HOURS,  
From 4.15 to 5.15 P.M., days on which schools are in session.

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# ROLL OF TEACHERS.

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WINTER TERM, 1886.

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## HIGH SCHOOL,

*Principal*—Sealand W. Landon, A. M.

*1st Assistant*—Elizabeth M. Benedict.

*2d*        “        Clara H. Pease, A. B.

## GRAMMAR SCHOOL.

*Principal*—J. S. Howard.

*1st Assistant*—Mary E. Wells.

*2d*        “        Mary E. Collins.

## GRAMMAR ANNEX.

*Teacher*—Ellen H. Vilas.

## PINE STREET INTERMEDIATE.

*Principal*—Margaret S. Bole.

*1st Assistant*—Annie L. Patch.

*2d*        “        Jessie B. Tyler.

## POMEROY INTERMEDIATE.

*Principal*—Emma J. Chapman.

*1st Assistant*—Clara M. Lawrence.

*2d*        “        Laura Petty.

## ADAMS INTERMEDIATE.

*Principal*—Sarah A. Martin, A. B.

*1st Assistant*—Minnie E. Baldwin.

*2d*        “        Cora B. Drew.

## NORTH and MURRAY STS. INTERMEDIATE.

*Teacher*—Kate E. Lowrey.

## PINE STREET PRIMARY.

*Principal*—Mary R. Cole.*1st Assistant*—S. Rose Hendee.*2d*       “       Jennie B. Brown.

## POMEROY PRIMARY.

*Principal*—Lottie M. Burnett.*1st Assistant*—Mary Brinsmaid.*2d*       “       Clara Atwater.

## ADAMS PRIMARY.

*Principal*—Mary J. Mayo.*1st Assistant*—Frances E. Messenger.*2d*       “       Alletta Brown.

## NORTH and MURRAY STS. PRIMARY.

*Principal*—Lois J. Macrae.*1st Assistant*—Mary E. Kelton.*2d*       “       Josephine E. Lanou.

## MAIN STREET PRIMARY.

*Teacher*—Cornelia C. Underwood.

## FALLS SCHOOL.

Primary and Intermediate Grades.

*Principal*—Marie M. Graves.*Assistant*—Catharine E. Johnson.

## NORTH AVENUE,

Primary, Intermediate and Grammar Grades.

*Teacher*—Hattie B. Northrop.

## TEACHER OF VOCAL MUSIC.

N. H. THOMPSON.

## SUPERVISOR OF DRAWING.

MARY E. WELLS.

## TEACHER OF READING AND ELOCUTION,

High and Grammar Schools,

WILLIAM H. HOPKINS.

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**UNGRADED SCHOOLS.**

Cherry Street Day School,  
*Teacher*—John W. Redmond.

Cherry Street Evening School,  
*Teacher*—John W. Redmond.

Falls Evening Schools,  
*Teacher*—Elmer E. Davis.

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**PUPIL TEACHERS.**

Lily E. Peck,	Josephine M. Arcand,
Emma C. Lanou,	Frances L. Field,
Carrie E. Sheldon.	

# HIGH SCHOOL GRADUATES.

CLASS OF 1885.

## P R O G R A M M E .

*Overture*—"William Tell," ..Rossini.

The Power of Observation,.....Ward. B. Dodds.  
Local Prejudice,.....Lizzie M. Smith.  
Life a Play,.....D. Nathan Spaulding.  
The Boyhood of Great Men,.....Ella M. Stacy.  
Iron as a Building Material,.....Charles H. Stevens.  
The uses of History.....Susan B. Pray.  
Compromise,.....L. W. Ray.  
Character of Lafayette,.....Ernest R. Fletcher.

*Music*—"Die Schwalden,"....Arr. by Wiegand.

Monuments of Antiquity,.....Nellie O. Dole.  
How shall we Choose an Occupation?.....Daisy I. Town.  
Illiteracy a Source of Danger,.....Arthur L. Kennedy.  
Newspapers,.....Nellie M. Wiley.  
England in War,.....William A. Weller.  
Pompeii,.....Emma C. Lanou.  
The Characters of the Iliad,.....Frank A. Briggs.  
Anglo-Maniacs,.....Harriet E. Mills.

*Waltz*, "In the New Home".....Kela Bela.

Public Libraries and their Worth,.....Grace Farnsworth.  
Citizenship in Russia,.....Edward S. Isham.  
An Historic Sea,.....Lily E. Peck.  
The Value of Economy,.....Allen B. Nichols.  
Mormonism,.....Carl H. Foster.  
Royalty, "True and False,".....Martha A. Wheeler.  
Public Opinion,.....John E. Allen.

*Selection*—"Patience,".....Sullivan.

Enthusiasm a Vital Force,.....Josephine M. Arcand.  
The Power of Destruction and Creation,.....Carl H. Paddock.  
The Women of Shakespeare,.....Bessie M. Hood.  
Great Expectations,.....Kate J. Duffy.  
The Spade,.....Edward S. Frary.  
The Pioneers of Vermont,.....Robert B. Buckham.  
The Modern Turk,.....Anna L. Dyke.

*Polka*—"Yosemite,".....Waterman.

## PRESENTATION OF DIPLOMAS.

CLASS ODE.—Samuel G. Ayres.

*Galop*—For "Fame and Fortune,".....Wiegand.



# REPORT

## OF THE

### SUPERINTENDENT OF PUBLIC SCHOOLS.

*To the Honorable the City Council:*

GENTLEMEN :—

In compliance with the requirements of the City Charter, I present the report for the Department of Public Schools (being the eighteenth to the City Council, and my sixth,) for the year 1885 :

#### FINANCIAL STATEMENT.

##### RECEIPTS.

City Taxes.....	\$21,000.00
Interest on U. S. Deposit Fund.....	1,372.94
Rent of school lands.....	122.08
Interest on water bonds.....	84.00
Tuition from non-resident pupils.....	977.00
Sundries .....	23.07
Total, .....	\$23,579.09

##### DISBURSEMENTS.

Teachers salaries.....	\$16,127.87
Superintendent's salary.....	800.00
Janitors and Cleaning.....	1,231.85
Repairs .....	1,444.48
Fuel.....	1,187.05
Apparatus, Maps, etc.....	182.95
Incidentals .....	739.71
Supplies .....	402.86
Furniture .....	70.03
Water rates .....	85.00
Insurance .....	127.55
Interest on loans pending collection of taxes.....	210.25
Overdrafts of 1884 .....	819.62
	\$23,429.22

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### RECAPITULATION.

Total receipts .....	\$23,579.09
Total disbursements .....	\$23,429.22
Surplus .....	149.87
	<hr/>
	\$23,579.09

### ESTIMATES OF 1886.

#### DISBURSEMENTS.

Teachers' salaries .....	\$17,000.00
Superintendent's salary .....	800.00
Janitors and cleaning .....	1,200.00
Repairs .....	1,000.00
Fuel .....	1,200.00
Apparatus, Maps, Charts, etc .....	150.00
Incidentals .....	550.00
Supplies .....	400.00
Furniture .....	200.00
Insurance .....	200.00
Water rates .....	85.00
Evening schools .....	250.00
Interest on loans pending collection of taxes .....	200.00
	<hr/>
Total, .....	\$23,235.00

#### RECEIPTS.

Surplus from 1885 .....	\$149.87
City Taxes .....	21,000.00
Interest on U. S. Deposit Fund .....	1,372.94
"    " Bonds .....	84.00
Rent from leased land .....	128.19
Tuitions from non-resident pupils .....	500.00
	<hr/>
Total, .....	\$23,235.00

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FINANCES.

As will be observed, this department closes the year with a small balance to its credit.

In looking forward to the expenses of the department for the next year, an increase in the item of teachers' salaries seems unavoidable.

Already we have deemed it advisable to employ a new teacher for Adams Intermediate School, and it now seems reasonably certain that it will be necessary to open another room to accommodate the scholars of the Grammar School grade, at the beginning of the next school year.

I have therefore, in the estimates of disbursements and receipts, taken this increase in teachers' salaries into account, and have given as the amount of City taxes likely to be called for by the School Board, the same amount which was asked for last year.

The necessity for this will be appreciated by all who have noticed the growth of the schools, and the consequent crowded condition of most of our school buildings.

It should always be borne in mind, however, that the present conditions may be changed before the time for the formal recommendation for appropriation of funds, arrives, and that these estimates are only approximately correct.

## STATISTICS.

The following tables exhibit the condition of the schools for the year, in respect to attendance, regularity, punctuality, etc., and a comparison of statistics for the years 1884, 1885 :

1885.

## SCHOOLS.

1885.	WINTER TERM.										SPRING TERM.										FALL TERM.														
	Number Enrolled.	Daily Average Attendance.	Attendance per cent.	Number of days in term.	Average No. days Attendance.	Tardiness.	Dismissals.	Scholars with no absences.	Number of visitors.	Number Enrolled.	Daily Average Attendance.	Attendance per cent.	Number of days in term.	Average No. days Attendance.	Tardiness.	Dismissals.	Scholars with no absences.	Number of visitors.	Number Enrolled.	Daily Average Attendance.	Attendance per cent.	Number of days in term.	Average No. days Attendance.	Tardiness.	Dismissals.	Scholars with no absences.	Number of visitors.								
High School.....	124	116.9	94	56.1	59.5	29	8	34	29	120	111.6	93	54	50.2	26	3	36	4	151	142	94	74.5	70	31	2	42	48								
Grammar School.....	134	111.7	90	60	54	18	25	30	46	120	106.5	88	54	47	6	30	27	27	146	138	88	74.5	65.5	3	3	26	17								
Grammar Annex.....	32	23.2	88	59.5	52.4	1	3	6	5	29	34.2	83	53.5	41.8	4	4	6	7	43	38.3	90	74.5	66.4	2	2	9	8								
Pine St. Intermediate..	92	85.2	89	54.5	48.7	12	8	14	44	88	73.6	84	48.5	40.6	13	25	15	33	95	79	83	71.5	59	15	16	20	35								
Pomeroy Intermediate..	94	86	91	54.5	49.8	10	0	23	32	94	84.8	90	48.5	43.8	4	12	30	34	88	80.7	92	71.5	65	5	4	20	32								
Adams Intermediate....	67	58	87	54.5	47	2	5	17	23	61	53.6	88	48.5	43.3	14	3	10	39	76	62.7	82	71.5	59	28	15	7	14								
No. & Murray Sts. Int..	39	34	87	54.5	47.5	18	13	9	13	35	53	69	48.5	33.2	9	12	3	3	46	38.2	83	71.5	61.5	14	22	8	8								
Pine St. Primary.....	126	98	78	54.5	42	19	6	6	36	107	81	76	48.5	37	14	2	10	37	107	73	74	71.5	63	40	8	7									
Pomeroy Primary.....	106	94	89	54.5	48.5	23	6	16	55	118	87	74	48.5	35.9	18	7	10	36	100	89	80	71.5	63.5	26	43	19	23								
Adams Primary.....	84	65.2	78	54.5	42.3	31	6	9	30	107	78	73	48.5	36	12	0	9	43	89	66.5	65	71.5	53.5	29	0	5	17								
N & Murray Sts Primary	133	103	77	54.5	43.2	19	6	9	21	106	79	75	48.5	36	12	0	9	43	89	66.5	65	71.5	53.5	29	0	5	17								
Main Street Primary...	28	23.5	84	52	43.8	2	7	2	9	35	35.5	76	48.5	36.8	4	9	1	13	35	29	71	71.5	55.5	29	1	13	6								
Falls School.....	57	45	79	54.5	43	13	8	2	6	57	39	68	48.5	33	9	10	3	13	54	42	78	71.5	55	7	38	7									
North Avenue.....	22	18.7	85	54.5	46.4	41	0	3	6	22	19	86	48.5	44.2	19	5	3	4	20	17	86	70	60	10	2	7									
Cherry St. Ungra. Day..	28	19.1	68	43	29.4	...	...	...	3	...	...	...	...	...	...	...	...	15	11	73	17	12	...	...	...	...	1								
Cherry St. Ungra. Eve..	27	23.4	70	49	33.7	...	...	...	3	...	...	...	...	...	...	...	...	52	34	65	21	14	...	...	...	...	...								
Falls Evening.....	37	16.5	45	61	27	...	...	...	...	...	...	...	...	...	...	...	...	23	14	61	23	14	...	...	...	...	...								
Totals.....	1230	1025.4	85	...	...	240	88	150	265	1005	883.9	80	...	...	...	173	133	396	1267	1011.4	83	...	...	...	...	...	1267	1011.4	83	...	...	...	...	...	...

Totals

## COMPARISON WITH STATISTICS OF 1884.

	WINTER TERM.				SPRING TERM.				FALL TERM.				YEAR.	
	Number Enrolled.	Daily Average Attendance.	Attendance per cent.	Number of Scholars with no absences.	Number Enrolled.	Daily Average Attendance.	Attendance per cent.	Number of Scholars with no absences.	Number Enrolled.	Daily Average Attendance.	Attendance per cent.	Number of Scholars with no absences.	Number of instances of tardiness.	Number of dismissals.
Totals in 1885.....	1230	1025.4	83	180	1099	886.8	80	173	1257	1041.4	83	178	662	440
Total: in 1884.....	1206	950	79	209	1064	921	87	218	1275	1058	83	216	573	415
Gains in 1885.....	24	75.4	4	.....	36	.....	.....	.....	18	16.6	.....	38	.....	.....
Losses in 1885.....	.....	.....	.....	29	.....	34.7	7	45	.....	.....	.....	.....	.....	.....



Extracts from the report of the City Schools for the year ending March 31, 1885, made to the State Superintendent of Education :

Aggregate number of days of school for all the schools.....	2656.5
Aggregate total attendance of scholars between the ages of five and twenty years.....	172,501
Number of different scholars between the ages of five and twenty years.....	1,552
Number of children who attended any other than public schools, estimated (chiefly in Catholic schools).....	1,000
Aggregate number of weeks of school.....	531.3
Average number of weeks of school for all the public schools.....	31.2
Number of different male teachers employed during the year.....	7
Number of different female teachers employed during the year.....	39
Number of teachers who had attended a Vermont Normal School.....	3
Number who were graduates of Normal Schools....	12
Number of visits to the schools by the Superintendent.....	161
Number of visits to the schools by the School Commissioners.....	57
Population of Burlington according to census taken in June, 1885.....	13,357

The statistics do not vary greatly now from year to year, in respect to most of the items given.

As would be expected from the growth of the city, the increase in enrollment goes on in the graded schools. The prevalence of an epidemic disease, the measles, during last Spring Term, greatly reduced the regularity, and the attendance per cent. of that term, and affected unfavorably all items at all dependent upon the health of the pupils.



A gratifying feature of these exhibits is the relatively large attendance in the higher grades.

The attendance for the first two terms of the year shows a gain in enrollment. As the last term indicates a slight decrease in enrollment, it should be stated that this loss was in the ungraded schools.

The weather of the early winter, which permitted those who attend the ungraded schools, to continue at their work, and the opening of other evening schools, sufficiently account for the diminished attendance upon these schools.

The very large enrollment of the High School is especially worthy of notice. It not only indicates that the superior character of this school attracts a large number of non-resident-scholars, but also, what is of greater importance to Burlington, viz—that larger numbers of our own scholars are carrying forward their studies into the High School.

#### SCHOOL PROPERTY.

Failing still to secure at your hands the funds for the construction of the needed new building in the Pine St. district, the members of the School Board, unwilling to bear the responsibility of the condition of the old building, which has caused so much complaint during the past few years, decided to make further improvements in the building. Accordingly a cellar was excavated, and light and air were admitted under the building. This change and the sewer connection made one year ago, have greatly improved the building, both in respect to comfort and sanitary condition.

Substantial improvements have been made during the year in the Grammar Annex and Falls school buildings. In the former, hard wood floors were laid, and the ceiling of the main room and hall was sheathed; and in the latter, repairs similar in character, though with less expensive woods, were made. The usual incidental repairs were made in school buildings generally. More attention than usual was also given to the care and condition of the school grounds.

## ARBOR DAY.

In accordance with the recommendations contained in the proclamation of the Governor of the State, the first day of May was observed by the Public Schools as Arbor Day. Trees were planted at many of the school buildings.

At the Adams and Pomeroy Schools, particular trees were designated as belonging to the different classes; the B and C classes of Pomeroy Intermediate and the A class of Pomeroy Primary contributed money to procure trees for their respective classes, the A class of Pomeroy Intermediate made a suitable gift to its school, and Master Fay Lowell gave as his contribution, a beautiful tree, which was planted in the school grounds.

Exercises appropriate to the day and adapted to the different grades were held in the various schools.

In those of the higher grades, the Governor's proclamation was read, followed by essays and readings on Forestry and related subjects; and in those of the lower grades, pleasant and interesting programmes consisting of readings, recitations, and singing, were arranged and successfully carried out by the teachers.

The occasion was one of enjoyment and profit to the scholars, and to the school grounds were added new interest and something of beauty.

## ANNIVERSARY DAYS.

Washington and Longfellow days were observed again by our schools in much the same manner as in previous years.

In doing this it was our aim, not merely to arrange pleasant and attractive exercises, but to make the occasions of real value to the scholars.

In preparation for the Longfellow day, the scholars were made acquainted with something of the life of the poet, and with his contributions to the literature of his country. Many selections from his works were read, and some of these committed to memory.

And so, added to a personal interest in the author, a taste for the good and beautiful in literature was cultivated.

And in connection with Washington's day, his services to his country as a soldier and as a statesman, and the period of our history in which he was so prominent a figure, were studied. So far as circumstances permitted, the words of Washington were read and considered with reference to the occasions which called them forth,—and the whole was made a lesson in patriotism.

Such days rightly observed not only furnish diversion and entertainment for the scholars, but leave with them lasting impressions on the right side of character.

#### FLETCHER FREE LIBRARY.

The Library continues to be a valuable educational factor, and one of growing importance.

Special acknowledgments are due and are heartily made to the Trustees of the Library for their action in procuring a large number of suitable books for circulation in the schools; and I wish also to express thanks to the Librarian and her Assistant for their pains-taking assistance and uniform courtesy to the teachers and scholars in issuing and distributing the books.

In this way, the Library is rendering most valuable service to the City.

During the past year, this work has been carried on more systematically and thoroughly in the High and Grammar Schools than ever before. This has been particularly noticeable in connection with the reading classes and other English studies in the High School. As different topics in History and Literature have engaged the attention of the scholars, guided by the suggestions of their teachers, they have thronged the Library in search of material for information and instruction in the line of their studies.

And in the Grammar Schools, as different topics in Geography have been reached, a similar work has been done.

The Intermediate schools have kept on in the good way for several years pursued by them, in respect to reading.

The number of books in the Library adapted to the lower grades is limited, but is likely to be increased soon.

Grateful for the wise and liberal provision already made by the Trustees for this class of readers, we are pleased to learn that they contemplate making still further additions to the Library for the same purpose.

#### APPARATUS, CHARTS AND MAPS.

During the past year a larger sum than usual has been expended for apparatus, charts and maps. The Intermediate Schools have been furnished with good globes and the Grammar Schools with a set of wall maps, and both these grades have been supplied with writing charts and drawing models.

Some of the philosophical apparatus in the High School, which has been unused for years, has been renewed and put to use; and a lantern with slides for the illustration of topics in Physiology and Zoölogy has been added to the Grammar School apparatus.

In connection with the procurement of this new apparatus, one of the recitation rooms of the Grammar School has been fitted up with shades for darkening and screen for exhibition, so that it can be used at any time in daily recitation.

The advantages of these helps to instruction are too manifest to require further comment.

#### GENERAL CONDITION.

During the Fall Term, Miss Cole and Miss Bole, principals of the Pine Street Primary and Intermediate Schools, respectively, were out of school on leaves of absence.

Mrs. Mayo, principal of Adams Primary, kindly consented to a transfer for the term to Pine St. Primary, and Miss Messenger, first assistant in Adams Primary and Miss Patch, first assistant in Pine Street Intermediate, acted as principals of their respective schools.

Pine St. Primary, was, as matter of course, in excellent hands, with Mrs. Mayo as principal, and both Miss Messen-



ger and Miss Patch conducted their schools with marked ability and success.

It speaks well for the discipline of our schools and for our corps of teachers, that so many important changes could be made without disturbance in their general condition, and without serious injury.

The restoration of mental arithmetic to the course of study, although but recently effected, is already producing good results.

As yet the scholars have not been required to supply themselves with the book adopted, and the instruction has been oral.

Our plan has been to give mental exercises and drill in connection with the regular recitation in written arithmetic.

That the members of the last class entering the Grammar School were better prepared than usual, in arithmetic, is attributable in part at least to the return of mental arithmetic.

I am confident that with a longer trial of this change, its advantages will be more and more apparent.

Important changes were made in the Grammar School course last year. The A class was found to have made such progress in Arithmetic and Grammar, that the School Board decided to suspend these studies at the close of the Winter Term, and to substitute Physiology and Book-keeping. Both these branches of study were before this time, in the High School course, and both optional, and were taken by only a small proportion of the scholars.

It seemed to the Board that these studies were too important to be classed longer with the optional, and that they should be placed in the required list.

As many of our scholars go no further than the Grammar School, it seemed desirable on this account, that these subjects of general interest and advantage, should be placed within the reach of a greater number. We were therefore very glad of the opportunity to put them into the Grammar School.

The experiment, if such it can be considered, was very

satisfactory. The coming year, and probably hereafter, the class can have a half year instead of a single term for these studies.

While in general, it can be said that the classes of each grade as they passed to the next higher, were unusually well prepared for the work before them, special mention should be made of the class which was promoted from the Grammar to the High School.

Seldom, if ever before, has a class entered the High School which has maintained itself so creditably as this—a fact very complimentary to the new principal of the Grammar School, Mr. J. S. Howard.

The excellence of our High School is so well known, and so highly appreciated by the people of Burlington, that it would be superfluous to say anything in praise of the school or its teachers.

The unprecedented enrollment of 151 last term is, however, significant comment.

As this number exceeded the seating capacity of the school-room, a considerable number of the scholars were compelled to study at their rooms, and to report at the school room for recitations only.

In this connection it should also be stated that the attendance at the Grammar School so crowded the room that it became necessary to stop the admission of non-resident scholars.

#### COURSE OF STUDY.

As it has been many years since our course of study was published, and as the course has been undergoing many changes during the past few years, it will be of interest to you and the patrons of the schools to have a definite statement of the work now being done in all our schools. Therefore we present our present Course of Study.



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## COURSE OF STUDY.

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### PRIMARY SCHOOLS.

#### C CLASS—FIRST YEAR.

*Reading.*—Attention of children directed to certain objects. Children then lead to make short statements about the objects. Statements placed upon the black-board. Children read, using objects as statements suggest. Words of statements placed promiscuously upon the board. Children find and pronounce words as arranged in statements and promiscuously.

This method continues until the majority of the class recognize at sight, and read with good expression such words and sentences contained in text-book as can be used in this way.

The book is then given to the class and completed, with constant use of blackboard.

*Method.* Word, or combination of word and sentence methods.

*Spelling.*—By sound and letters words learned in reading, and words in Worcester's Primary Spelling Book, page 11 to 15 inclusive.

Children make and write statements containing one or more words in each lesson, beginning statements with capitals and closing with periods.

*Writing.*—In connection with spelling, copying words and sentences, and writing statements dictated.

*Number.*—Combination of numbers from one to twenty inclusive. Mixed work, simple problems. Great variety of objects used in developing numbers and illustrating combinations.

*Method.* "rGube Method" followed as basis of work—but with most of fractional combinations and results omitted.

*Drawing.*—Slate work on straight lines and angles. Division and measurement of lines. Square.

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*Form.*—Surface, faces, kinds of faces, edges, kinds of edges, corner, (of solids,) lines, kinds of lines, point, space, figure, with objects.

*Place.*—Place terms, right, left, above, below, over, under, upper, lower, centre, etc., taught using table, slate, blackboard and other familiar objects.

Children draw map of state.

Principal points of compass taught.

*Human Body.*—Names, number and uses of important parts, and position of parts.

*Animals.*—Names, number, and position of parts of familiar animals. Children led to notice differences and similarities of these parts, and corresponding parts of human body.

*Objects.*—Parts, descriptions, positions and uses of some familiar objects, as basket, key, parasol, etc.

*Music.*—Systematic course of vocal music begun.

Text Book. Appleton's First Reader.

#### B CLASS—SECOND YEAR.

*Reading.*—Second Reader of series adopted, with much supplementary matter.

*Spelling.*—By sound and letters, words in Worcester's Primary Spelling Book, pages 16 to 28 inclusive.

Children make and write statements, using words in lessons. Use of capitals and period taught.

*Writing.*—All capitals and small letters. Words and sentences.

*Number.*—Combinations of numbers from twenty-one to fifty inclusive. Mixed work, including all fundamental operations continued. Much slate and board work. Teachers and children make problems for class to solve.

Method. Same as in C class.

*Drawing.*—Straight lines and their uses in the construction of geometric figures of angles, triangles, squares,

oblongs, and rhombuses, also the elementary principles of design.

*Form.*—Review lines and angles, triangles, square with its diagonals.

*Place.*—Principal and intermediate points of compass. Draw map of recitation room, main room, school building, and school grounds—drawing to a scale taught.

*Human Body.*—Construction and uses of important parts.

*Animals.*—Habits and uses.

*Objects.*—Qualities of objects.

*Plants.*—Principal parts, description and uses.

*Tables.*—Time and Long Measure. Children taught to tell time and to use foot rule and yard stick. United States money, dry measure and liquid measure.

*Music.*—Course in vocal music continued.

*Text Books.*—Appleton's Second Reader.—Book 1. Prang's "American Text Books of Art Education."

#### A CLASS—THIRD YEAR.

*Reading.*—Third Reader of series adopted, with much supplementary reading.

*Spelling.*—Words in Worcester's Primary Spelling Book, pages 29 to 50 inclusive. Children write sentences using words in lessons.

*Writing.*—Words and sentences continued.

*Language.*—Use of capitals and punctuation marks taught.

*Number.*—Numbers from fifty-one to one hundred forty four inclusive. Reviews of previous work, fractional combinations and results taken. Constant drill for rapid and accurate work: Much board and slate work.

Definitions of unit, numbers, notation, kinds of notation, numeration, addition, sum, sign of addition, sign of equality, subtraction, difference, minuend, subtrahend, sign

of subtraction, multiplication, multiplicand, multiplier, product, sign of multiplication, as the different processes to which they belong are reached, and developed.

Children taught to write and read numbers of four figures or less; to add in problems of four columns or less; to subtract in numbers of four figures or less; and to multiply any number of four figures or less with any multiplier of one figure.

Practical problems and analyses.

*Drawing.*—Circle, ellipse, oval; also a further application in figures containing both straight and curved lines, of the principles of object drawing and design.

*Form.*—Review of B work, circle and solids.

*Place.*—City map, wards, principal streets and buildings, railroads, occupation of people of City. Towns in County. Some of principal facts in regard to County and State.

*Human Body.*—Some oral instruction in physiology and hygiene,—including the effects of narcotics and stimulants.

*Animals.*—Habits, adaptation, and classification.

*Plants.*—Parts, description of parts, uses, leaves, parts of flowers, roots, and kinds of roots.

*Color.*—Colors, mixing to form different colors.

*Language.*—Reproduction of short stories and letter writing.

*Music.*—Music course continued. Two part music taken for B and C classes.

*Text-books.*—Appleton's Third Reader, Worcester's Primary Spelling Book, Thomson's Illustrated Table Book, Book 2, Prang's American Text Books of Art Education.

Ginn & Heath's First Music Reader. Supplementary Reading for Primary Schools, "Our Little Ones," "Little Folks' Reader," Swinton's Second Supplementary Reader. Franklin Second Reader, Barnes' Second Reader, McGuffey's Second Reader, Monroe's Second Reader and Lippincott's Second Reader.

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## INTERMEDIATE SCHOOLS.

### C CLASS—FOURTH YEAR.

*Reading.*—Appleton's Introductory Fourth Reader, with supplementary reading.

*Spelling.*—Complete work in Worcester's Primary Spelling Book.

*Arithmetic.*—Notation, Numeration, Addition, Subtraction, Multiplication and Division, including definition of terms used, explanations, and development of rules for the different processes. Practical problems in each of the processes, and in combination of different processes. Mental drill.

*Geography.*—Conversational lessons on City. Preliminary definitions taught—as far as possible from surroundings. Conversational lessons on Chittenden County, including its towns, boundary, surface, soil, productions and occupations.

State of Vermont, its boundary, Counties, principal Cities and towns, mountains, rivers, lakes, soil, climate, productions and occupations, etc.

General work on United States, including boundary, form, position, principal physical features, climate, natural resources, exports, imports and occupations.

Particular work on the New England States.

Map drawing in connection with different topics.

*Writing.*—Payson, Dunton and Scribner's Writing Books. Book 1. Ink used.

*Drawing.*—Pentagon, hexagon, and reversed curve, manner of representing rounding surfaces in geometric views. Prang's Drawing Book No. 3.

*Language.*—Names, proper and common, and how to write their initials. The statement, parts of statement. Punctuation.

Dictation and reproduction work.

*Music.*—Three part music begun.



## B CLASS—FIFTH YEAR.

*Reading.*—Appleton's Fourth Reader, and supplementary reading.

*Spelling.*—First four sections in Worcester's New Pronouncing Spelling Book.

*Arithmetic.*—United States Money, Decimal Fractions, Factoring, Cancellation, Common Divisors, and Common Multiples. Exercises in Mental Arithmetic.

*Geography.*—General view of the United States. Particular work on each section and each State. North America and South America.

Map Drawing.

*Writing.*—Payson, Dunton and Scribner's Book No. 2.

*Drawing.*—Octagon and equable spiral. The instruction is a development of the work given in Book 3, and relates to figures having increased subtilty of proportion and curvature.

Prang's Drawing Book No. 4.

*Language.*—Inquiry, number, case, quality words, action words, command, exclamation.

*Music.*—Three part work continued.

## A CLASS—FIFTH YEAR.

*Reading.*—Appleton's Fourth Reader and supplementary reading.

*Spelling.*—Use of Worcester's New Pronouncing Book continued.

*Arithmetic.*—Fractions, and review of C and B years' work.

*Geography.*—Europe, Africa, Asia, and Australia. Circles of the Earth, Meridians, Parallels and Motions of the Earth. General review. Map Drawing.

*Writing.*—Payson, Dunton and Scribner's Book No. 3.

*Drawing.*—Review of simple, plain geometric figures. Variable spiral, simple working drawing, conventionaliza-



tion and simple applications of it in design. Prang's Drawing Book No. 5.

*Language.*—Letter writing, and application of previous instruction to written work.

*Physiology.*—Oral lessons,—including the effects of narcotics and stimulants.

*Music.*—Three part work continued.

*Text Books.*—Appleton's Introductory Fourth, and Fourth Readers, Worcester's Primary Spelling Book and New Pronouncing Spelling Book, Thomson's Rudiments of Arithmetic, Guyot's Elementary Geography, Payson, Dunton and Scribner's Writing Books, Nos. 1, 2, and 3; Prang's Drawing Books, Nos. 3, 4, and 5; Elementary Lessons in English, of Ginn & Heath's Language Series, Ginn & Heath's Second and Third Music Readers.

*Supplementary Reading.*—Harper's Young People, Swinton's Third Supplementary Reader, Shelden's Fourth Reader, Hooker's Child's Book of Nature, the three parts bound separately, Goodrich's Child's History of the United States, Selections from Longfellow and Whittier, and Lessons on Kindness to Animals.

## GRAMMAR SCHOOL.

### C CLASS—SEVENTH YEAR.

*Reading.*—Appleton's Fifth Reader, and for supplementary reading, selections in prose and poetry, from best authors.

*Spelling.*—Worcester's New Pronouncing Spelling Book and words selected from Reading and Geography lessons.

*Geography.*—Guyot's Intermediate Geography, from beginning to Central States, including special study of Vermont, and map drawing.

*Arithmetic.*—Thomson's Practical Arithmetic to Compound Numbers, including review of fundamental rules, Analysis, Properties, Factoring, Cancellation, Common Divisors, Multiples, Fractions, Decimal Fractions, United States Money and Bills.

*Language.*—All written work treated as Language Lessons.

*Writing.*—Payson, Dunton & Scribner's Writing Book No. 4.

*Drawing.*—Prang's Drawing Book, No. 6, construction, decoration and representation.

In construction, to make and read simple working drawings; in decoration, the general modes or arrangement, the use of geometric and conventionalized forms in design; in representation, how to look at an object when drawing its appearance, and how to draw upright objects having rounding surfaces when so placed that their dimensions are visible.

*Music.*—Four part music taken.

#### B CLASS—EIGHTH YEAR.

*Reading.*—Similar in character to that of C class.

*Spelling.*—Words selected from Reading, Geography and History lessons.

*Geography.*—Guyot's Intermediate Geography, from Central States through the book, with map drawing and written work on special subjects.

*Arithmetic.*—Thomson's Practical Arithmetic, from Compound Numbers to Interest, including Compound Numbers, Reduction, Denominate Fractions, Metric Weights and Measures, Percentage, and Profit and Loss.

*U. S. History.*—Text book, Barnes' Brief History.

*Language.*—All written work treated as Language Lessons.

*Writing.*—Payson, Dunton & Scribner's series,

*Drawing.*—No. 7, Prang's Drawing Book.

In construction, sections and development of surfaces; in representation, the hollow cylinder and objects based on it, together with simple rectangular forms; in decoration, symmetry is especially dwelt upon and made practical in original design.

*Vocal Music.*—Four part music continued.

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A CLASS—NINTH YEAR.

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*Reading.*—Higginson's Young Folks' History of the United States, and selections similar to those of C and B years.

*Spelling.*—Words selected from daily lessons.

*Arithmetic.*—Following Thomson's Practical Arithmetic, beginning at Interest and completing the book—half year.

*English Grammar.*—Following Reed and Kellogg's Graded Lessons,—half year.

*Physiology.*—Following Hutchinson's Physiology, with use of Lantern—half year.

*Book Keeping.*—Following Meserve's Book-keeping—Single and Double Entry—half year.

*Zoology.*—Following Packard's Zoology, with use of Lantern—throughout the year.

*Writing.*—Payson, Dunton & Scribner's series.

*Drawing.*—Prang's Drawing Book, No. 8. The same general features as in Books 6 and 7.

In construction, instruments are used; in representation, rectangular solids are placed at an angle; in decoration, proportion is emphasized.

*Music.*—Four part music continued.

*Text Books.*—Appleton's Fifth Reader, Worcester's New Pronouncing Spelling Book, Thomson's Practical Arithmetic, Guyot's New Intermediate Geography, Barnes' Brief History of United States, Reed & Kellogg's Graded Lessons in English, Packard's Zoology, Hutchinson's Physiology, Meserve's Book-keeping, Payson, Dunton & Scribner's Writing Books, Prang's Drawing Books, Ginn & Heath's Fourth Music Reader.

*Supplementary Reading.*—Selections from Longfellow, Whittier, Hawthorne, Irving, Andersen, and Higginson's History of the United States. Burlington Daily Free Press is furnished, and is on file in the school room.

# HIGH SCHOOL.

## ENGLISH COURSE.

D Class—1st Year.	{	FALL TERM.		
		Reading.	English Grammar.	Algebra.
		WINTER TERM.		
D Class—1st Year.	{	General History.	English Grammar and Composition.	Algebra.
		SPRING TERM.		
		General History.	English Composition.	Algebra.
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C Class—2d Year.	{	FALL TERM.		
		English History.	Physical Geography.	Arithmetic.
		WINTER TERM.		
C Class—2d Year.	{	English History (5 weeks). U. S. History (6 weeks). Physical Geography (4 weeks), Botany (7 weeks). Advanced Algebra.		
		SPRING TERM.		
		U. S. History.	Botany.	Advanced Algebra.
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B Class—3d Year.	{	FALL TERM.		
		English Literature.	Civil Government.	Physics. *French.
		WINTER TERM.		
B Class—3d Year.	{	English and American Literature.		
		Civil Government (4 weeks). Rhetoric (7 weeks).		
		Physics (4 weeks).	Chemistry (7 weeks).	*French.
B Class—3d Year.	{	SPRING TERM.		
		Study of Shakespeare, Milton and Webster.		Rhetoric.
		Chemistry.	*French.	
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A Class—4th Year.	{	FALL TERM.		
		Study of English and American Authors.	Geology.	
		Geometry.	*French.	
A Class—4th Year.	{	WINTER TERM.		
		Mental Philosophy.	Geology (4 weeks), Astronomy (7 weeks).	
		Geometry.	*French.	
A Class—4th Year.	{	SPRING TERM.		
		Mental Philosophy.	Astronomy.	Reviews. *French.

\* Optional.

# LATIN-ENGLISH COURSE.

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D Class—1st Year.	FALL TERM.		
	Latin Grammar and Lessons.	English Grammar.	Algebra.
	WINTER TERM.		
	Latin Grammar and Lessons.	English Grammar and Composition.	Algebra.
	SPRING TERM.		
	Latin Grammar and Reader, including selections from Cæsar.		
	English Composition.		Algebra.

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C Class—2d Year.	FALL TERM.		
	Cæsar.	Physical Geography.	Arithmetic.
	WINTER TERM.		
	Cæsar or Sallust.		
	Physical Geography (4 weeks). Botany (7 weeks). General History		
	SPRING TERM.		
	Cæsar (6 weeks). Ancient Geography and Mythology (6 weeks).		
	Botany.		General History.

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B Class—3d Year.	FALL TERM.		
	Cicero.	Civil Government. English Literature.	*French.
	WINTER TERM.		
	Cicero.	Civil Government (4 weeks), Rhetoric (7 weeks).	
	English and American Literature.		*French.
	SPRING TERM.		
	Cicero (6 weeks).	Latin Prose (6 weeks).	Rhetoric.
	Study of Shakespeare, Milton and Webster.		*French.

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A Class—4th Year.	FALL TERM.		
	Virgil.	Geometry. Geology.	*French.
	WINTER TERM.		
	Virgil or Ovid.	Geometry. Geology (4 weeks).	
	Astronomy (7 weeks).		*French.
	SPRING TERM.		
	Virgil.	Reviews. Astronomy.	*French.

\* Optional.



## CLASSICAL COURSE.

D Class—1st Year.	{	FALL TERM.		
		Latin Grammar and Lessons.	English Grammar.	Algebra.
	{	WINTER TERM.		
		Latin Grammar and Lessons.		
	{	English Grammar and Composition.		Algebra.
		SPRING TERM.		
	{	Latin Grammar and Reader, including selections from Cæsar.		
		English Composition.		Algebra.

C Class—2d Year.	{	FALL TERM.		
		Cæsar.	Greek Grammar and Lessons.	Arithmetic.
	{	WINTER TERM.		
		Cæsar or Sallust.	Greek Grammar and Lessons.	
	{		Greek and Roman History.	
		SPRING TERM.		
	{	Cæsar (6 weeks), Ancient Geography and Mythology (6 weeks).		
		Anabasis begun.	Study of English and American Authors.	

B Class—3d Year.	{	FALL TERM.		
		Cicero.	Anabasis. Civil Government.	*French.
	{	WINTER TERM.		
		Cicero.	Anabasis or selections from Herodotus.	
	{	Civil Government (4 weeks), Rhetoric (7 weeks),		*French.
		SPRING TERM.		
	{	Cicero (6 weeks), Latin Prose (6 weeks).		
		Anabasis (6 weeks), Greek Prose (6 weeks). Rhetoric.		*French.

A Class—4th Year.	{	FALL TERM.		
		Virgil.	Iliad. Geometry.	*French.
	{	WINTER TERM.		
		Virgil or Ovid.	Iliad. Geometry.	*French.
	{	SPRING TERM.		
		Virgil.	Study of Shakespeare, Milton and Webster.	
	{	Reviews.		*French.

\* Optional.



French is optional in all of the courses and can be taken as a fourth study, or, in the Latin-English and English courses, can, upon conditions, be substituted for an English subject of the corresponding year and term. Classes in Writing, Book-keeping and Physiology will be formed if necessary. Two lessons a week in vocal music are given to the entire school.

In all of the courses throughout the four years, exercises in Rhetoricals will be required of each pupil as follows: First year, Declamation, Recitation or Reading before the class once in three weeks; second year Declamation or Composition before the school once in three weeks; third and fourth years, Declamation or Composition before the school once in two weeks.

## COURSES OF STUDY.

The Burlington High School offers three courses of study, the English, the Latin-English, and the Classical.

The English course affords thorough training for business, for teaching, and for the work of scientific schools. The Latin-English course, arranged practically upon the basis of the English course, substitutes Latin for some of the English studies, and extends its scope to meet the demands of the corresponding courses in higher institutions. The Classical course furnishes a thorough preparation for the Classical course in the colleges.

## TEXT BOOKS.

*English.*—Reed and Kellogg's Higher Lessons in English; Chittenden's Elements of English Composition; Hart's Rhetoric; Wentworth's Arithmetic, Algebra, and Geometry; Houston's Physical Geography; Gray's How Plants Grow; Townsend's Analysis of Civil Government; Dana's Text Book of Geology and Mineralogy; Steele's Astronomy; Cooley's Physics; Thalheimer's General History; Anderson's History of England; Collier's History of

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English Literature ; Richardson's Primer of American Literature ; Hudson's and Rolfe's Shakespeare's Plays.

*Latin*—Allen and Greenough's Grammar ; Tetlow's Lessons ; Allen and Greenough's or Harkness' Cæsar and Cicero ; Chase and Stuart's Virgil ; Allen's Introduction to Latin Prose ; Doederlein's Synonyms ; Leighton's History of Rome.

*Greek*.—Goodwin's Grammar ; Hadley's Grammar, (for reference) ; White's Lessons ; Goodwin's Anabasis ; Boise's Homer's Iliad ; Jones' Exercises in Greek Prose Composition ; Liddell and Scott's Lexicon ; Smith's Smaller History of Greece ; Tozer's Primer of Ancient Geography.

*French*.—Sauveur's La Parole Francaise ; Les Petites Causeries ; Causeries avec mes Elèves ; Contes Merveilleux.

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This course of study in its development and in its present form, is the result, largely, of the work which our trained and experienced teachers have been doing during the past few years ; and for their assistance in its plan, construction, and present presentation, I wish to express my acknowledgments.

Again, in behalf of the Board of School Commissioners, and personally, giving credit to our competent and faithful teachers for the good, honest work of our Schools, and returning thanks to the Commissioners themselves for their hearty coöperation in the management of all the affairs of the Department, this report is

Respectfully submitted.

H. O. WHEELER,

Superintendent.

January, 1886.

# REPORT

## OF

# OVERSEER OF THE POOR.

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*To the Mayor and Board of Aldermen :*

GENTLEMEN—

The statement of receipts and disbursements of the Poor Department for the year commencing January 1st and ending December 31st, 1885, is as follows :

### RECEIPTS.

Cash of City Treasurer.....	\$3,401.44
“ from sales from City farm.....	118.88
Total.....	\$3,520.32
Paid 9 transient persons.....	\$14.25
Removal of 1 insane person to Insane Asylum, Brattleboro, Vt.....	22.01
Aid furnished 79 families and persons outside Poor House.....	1092.75
	———— 1,129.01

## POOR HOUSE.

Poor House expenses .....	798.70	
Coal .....	135.61	
Insurance .....	17.80	
Taxes .....	14.49	
Repairs .....	232.68	
John M. Miller's salary .....	400.00	
	<u>          </u>	1,599.28
Vermont Insane Asylum, for care City in-		
sane 12 months, per account .....	192.03	
Salary City Physician, one year .....	200.00	
" Overseer,                      " " .....	400.00	
	<u>          </u>	792.03
		<u>          </u>
Total expenses .....		\$3,520.32
Cash of City Treasurer under resolution of Board		
of Aldermen, for vaccination .....		\$250.00
Paid Jo H. Linsley, M. D., .....	\$125.00	
" J. C. Rutherford, " .....	125.00	
	<u>          </u>	\$250.00

We, the undersigned, have examined the accounts and vouchers of Henry Greene, Overseer of Poor, from January 1st, 1885, to December 31st, 1885, inclusive, and find the same correct.

MICAH H. STONE.	} Auditors.
GEO. W. BECKWITH,	
D. A. BRODIE,	

## Inmates of the Poor House January 1st, 1886.

NAME.	AGE.	NATIVITY.	CAUSE.	TIME.
Harriet Corning-----	68	Burlington, Vt-----	Insane-----	3 years, 8 months.
Ann Muldoon-----	52	Ireland-----	Insane-----	3 " 1 month 4 days.
Timothy Noonan-----	78	Ireland-----	Destitute-----	4 " 6 months.
Benjamin Law-----	78	Burlington, Vt-----	Destitute-----	4 " 7 "
John Daley-----	80	Ireland-----	Destitute-----	10 " "
Mary Wall-----	38	Ireland-----	Insane-----	7 " 24 days.
William Wakefield-----	75	Burlington, Vt-----	Destitute-----	1 year 2 " 23 "
Sophia Barabee-----	22	Burlington, Vt-----	Destitute-----	1 " 26 "

Admitted and discharged during the year, 12 persons. Died during the year, 3.



**Insane Poor at Asylum--Account to August 1, 1885.**

NAME.	AGE	NATIVITY.	TIME IN ASYLUM.
Francelia Metcalf.	51	Washington, Vt.,	12 y'r's. 4 months...\$190.82
Levi Underwood.	61	Burlington, Vt.	7 months 11 days.... 39.64
Albert Bassett, who is not an inmate now.....			50.00
			<u>\$280.46</u>

Cr.

F. Metcalf, State aid.....	\$60.82
L. Underwood, State aid.....	13.21
Mileage.....	14.40
	<u>\$88.43</u>
Total.....	<u>\$192.03</u>

**PRODUCE ON HAND JANUARY 1st, 1886.**

40 bushels oats, 60 bushels ears corn, 500 bushels potatoes, 30 bushels beets, 7 bushels turnips, 20 bushels carrots, 25 tons hay, 1,000 pounds pork, 500 pounds beef.

**LIVE STOCK ON HAND.**

2 horses, 5 cows, 2 2-years-old heifers, 3 year-old heifers, 3 shoats. Fowls,—30 hens.

There was taken from the Poor House to the Small-pox Hospital provisions and fuel to the amount of \$56.49.

The repairs at the Poor Farm are very much in excess of former years. The severe storm of last Summer unroofed part of the barn, blew down three chimneys on the house, and damaged the roof of the house so much that we considered it prudent to slate it.

The buildings are now in excellent repair, and will require but a small outlay to keep them so.

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We have had more than the usual amount of sickness at the Poor Farm the past year. Some cases not only taxed the energies of Mr. and Mrs. Miller, but their patience as well. It is a position that requires peculiar fitness, and I believe they not only have the capacity but have been unremitting in their efforts to discharge their duties faithfully.

The health of the outside poor has been uncommonly good ; it has required but a small outlay for medicines, &c.

The City Physician, Dr. Rutherford, has always responded cheerfully upon calls for professional services, and whenever any doubts have arisen whether certain ones were entitled to his services they have always had the benefit of the doubt.

Respectfully submitted,

HENRY GREENE,

Overseer.

## Report of the City Attorney.

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*To the City Council:*

The City Attorney respectfully submits his first annual report.

There is little to report from this office. But one prosecution has been found necessary. This was for breach of a City ordinance, in emptying the contents of a cess-pool into the street. The offender was promptly fined.

The proceedings for the establishment of a new highway and bridge in the towns of Colchester and Milton, which, at the time of my predecessor's last report, were pending in the County Court upon exceptions taken by the City to the Commissioners' report, are not yet terminated.

The City felt that the assessment of one-third of the expense of building such highway and bridge upon us, was unjust and illegal. The County Court heard the cause at the last April Term, and decided that this apportionment to Burlington was just and proper, because of the benefit to accrue from an increased trade and business, to result from the establishment of such new means of communication.

This extraordinary doctrine the City did not propose to accept, unless the Court of last resort should finally determine such to be the law. Exceptions to the decision of the County Court were therefore taken, and the cause has just been heard at the January term of Supreme Court. No decision has yet been announced.

Much has been done during the season just closed, in the way of adjusting claims against, and securing privileges for, the City, which have long threatened it with serious litigation.

The right to cross the land of Lawrence Barnes with the trunk sewer, and in connection with it, to forever use

the sewer already constructed by the Burlington Manufacturing Co. across its lands, has been secured at trifling cost.

The right also to complete the grade of the sidewalks on Pearl and Willard streets, adjoining the Hungerford lands, has been secured, with the right of lateral support for the required fills, without expense to the City.

W. L. BURNAP,  
City Att'y.

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## REPORT OF J. W. RUSSELL,

### Justice of the Peace.

Summary of fines and costs in City cases brought before me as Justice, for the year ending Dec. 31st, 1885.

Twenty-four cases against 27 respondents for breach of the peace.

One case for larceny.

Respondents committed on plea of guilty on trial..	23
Respondents discharged.....	5
Fines and costs imposed, collected and paid to the City Treasurer .....	\$151.13
Costs in all above cases.....	141.46
Excess of receipts over costs.....	\$9.67

Respectfully submitted,

J. W. RUSSELL.

## REPORT OF THE CHIEF OF POLICE.

*To the Honorable Mayor and Board of Aldermen :*

GENTLEMEN :

Herewith I present for your consideration this, my first report, of the business and doings of the Police Department for the nine months ending Dec. 31, 1885.

There have been in all 291 arrests, which may be classified as follows :

Grand larceny.....	6
Petit larceny.....	8
Assault with intent to kill.....	1
Tramp.....	4
Rape.....	1
Blanket Act.....	2
Open and gross lewdness.....	3
Violating City Ordinance.....	1
Selling liquor.....	60
Intoxication.....	145
Breach of the peace.....	53
Keeping house of ill-fame.....	7

Of the arrests made there were convicted and committed to the House of Correction 27 ; to the State Prison 1.

The decrease in the arrests made the last year by the police may be due, to some extent, to separating the offices of the Chief of Police and Sheriff.



The expense for the department has been as follows :

Second quarter of the year	-----	\$645.33
Third     "     "     "     "	-----	764.60
Fourth    "     "     "     "	-----	626.00
Total	-----	\$2,035.93

The whole number of commissioned police is 61, of this number 53 are private watchmen at the mills, manufactories and railroads. There are four on Church street, (two on alternate nights), one on Battery street, two on North street, (one on alternate nights), and one on Battery Park in the Summer.

There are no prisoners in jail whose board is chargeable to the City.

I have tried to have my men so stationed as to be of the most service to the greatest number of people.

In conclusion, I wish to thank you, gentlemen, for the kindness extended to me in the discharge of my duties the past year.

Respectfully submitted.

E. S. ADSIT,  
Chief of Police.

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SUMMARY  
OF THE REPORT OF THE  
CITY JUDGE FOR 1885.

The prosecutions, the costs of which are payable by the city of Burlington, had before the City Court in the year 1885, have been as follows :

Forty-three cases\* against forty-eight respondents.

36 cases breach of peace, chiefly assaults.

2 “ petit larceny.

2 “ open and gross lewdness.

2 “ violation of City ordinance.

1 “ selling diseased meat.

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43

39 respondents have been convicted

9 “ “ “ acquitted or discharged on  
*nolle prosequi.*

In four cases of conviction the payment of fines and costs have been prevented by appeals, or for other reasons. In former cases in which the enforcement of sentence was delayed fines and costs have been collected and paid into the City Treasury to the amount of \$39. The total amount of fines and costs collected and paid into the City Treasury has been \$433.39. The total amount of costs has been \$347.12. The excess of receipts to the Treasury over costs has been \$86.27.

SENECA HASELTON, City Judge.

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\* A report of the cases in detail, giving names of respondents, is on file in the office of the City Clerk,

## REPORT OF WM. H. HARE,

### Justice of the Peace.

Summary of fines and costs in City cases, tried before me as Justice, for the year ending Dec. 31, 1885.

Three cases against three respondents, all for breach of the peace.

Number of respondents convicted.....	3
“ “ “ discharged.....	0
Total amount of fines and costs imposed, collected and paid City Treasurer.....	\$39.27
Total costs in the above cases.....	20.27
Excess of receipts over costs.....	\$19.00

Respectfully submitted,

WM. H. HARE.

## Report of the City Liquor Agent.

JAMES MITCHELL, Agent.

From January 1, 1885, to January 1, 1886.

### RECEIPTS.

To sales of liquor to citizens.....	\$1,660.04
“ “ “ “ towns.....	473.02
Empty barrels and bottles sold.....	56.87
	<u>\$2,189.93</u>

### DISBURSEMENTS.

By cash paid G. D. Weller, Treasurer.....	\$2,153.32
“ “ “ freight bills.....	34.19
“ sundry office expenses.....	2.42
	<u>\$2,189.93</u>

This certifies that we have examined the above account of James Mitchell, Agent, compared it with books and vouchers, and find it correct.

MICAH H. STONE,  
GEORGE W. BECKWITH, } Auditors.  
D. A. BRODIE.

# R E P O R T

## OF THE

# CEMETERY COMMISSIONERS.

*To the Mayor and Aldermen  
of the City of Burlington, Vermont:*

GENTLEMEN :—

Herewith is respectfully submitted the report of the Cemetery Commissioners for the year ended 31st December, 1885, viz :

### LAKE VIEW CEMETERY.

#### RECEIPTS.

[Deposited with the City Treasurer.]

For sale of lots.....	\$1,326.14
“ fitting lots.....	540.25
“ care of lots.....	632.75
“ opening and filling graves.....	195.00
“ vault fees, &c.....	10.00
“ sale of horse.....	140.00
“ sale of soil and old lawn mower.....	121.25
“ shrubs, &c.....	6.00
“ balance on hand 1st January, 1885, with City Treasurer.....	876.72
	<u>\$3,848.11</u>

## DISBURSEMENTS

[By checks on the City Treasurer.]

For annual rent of the Cemetery lot for 1884, to the City of Burlington.....	\$ 15.00
“ annual water rate for 1885 to the City of Bur- lington.....	100.00
“ services of Eli Poquet as Sexton in charge for 1885.....	626.00
“ laborers, (as per time-book).....	858.62
“ hay, provender and blacksmithing.....	96.28
“ paints and painting.....	198.29
“ horse.....	177.50
“ wagon.....	65.00
“ tools, seeds, shrubs, &c.....	110.05
“ stationery.....	2.60
“ decoration at funeral of J. P. Howard.....	8.00
“ gravel for repairing roads.....	91.85
“ repairs, including for shed doors, stoneboat, &c.....	239.12
“ fertilizers and soil for fitting lots, &c.....	939.35
“ balance on deposit with City Treasurer.....	320.45
	<hr/>
	\$3,848.11

## ACCOUNTS DUE LAKE VIEW CEMETERY.

For care and fitting lots.....	\$100.00
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## SALES OF LOTS IN LAKE VIEW CEMETERY.

Whole number of lots sold to 31st December, 1884,....	502
Number of lots sold during 1885.....	32
	<hr/>
	534

## INTERMENTS.

Total number of interments to 31 December, 1884....	1073
Number of original interments during 1885.....	73
Number of removals from other cemeteries during 1885..	5
Total number of interments to 31 December, 1885..	1151



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 ELMWOOD AVENUE CEMETERY.

The total amount of the "Pomeroy Fund" received from Henry Loomis, Esq., executor of the estate of the late Hon. John N. Pomeroy, is fourteen thousand seven hundred and twenty-three  $\frac{74}{100}$  dollars, which amount is invested in loans secured by mortgages on real estate....\$10,593.00  
 Railroad coupon bonds, received from said estate 2,500.00  
 Bank deposit receipts ..... 1,630.74  


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 \$14,723.74

## RECEIPTS.

[Deposited with City Treasurer].

Balance on hand 1st January, 1885, with City  
 Treasurer.....\$ 599.31  
 Income from bonds, notes and cash..... 560.60  
 Fitting and care of lots..... 114.28  
 Sale of grass..... 10.00  
 Opening and filling graves..... 58.00  


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 \$1,342.19

## DISBURSEMENTS.

[By Checks on City Treasurer].

Surveying and mapping said Cemetery.....\$ 127.00  
 Tool house and office..... 227.41  
 Paints and painting..... 253.05  
 Water pipe and repairs..... 32.14  
 Tools, grass seed and sundries..... 38.43  
 Trees and flowers..... 57.43  
 Fertilizers and soil..... 201.50  
 Services of sexton in charge and additional laborers 357.62  
 Balance on hand 1st Jan. 1886, with City Treas.. 47.61  


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 \$1,342.19

## ACCOUNTS DUE ELMWOOD AVENUE CEMETERY,

For fitting and care of lots.....\$21.25

Number of interments during 1885, 21.

Number of removals (to Lake View Cemetery) during  
1885, 2.

J. A. ARTHUR,	}	Cemetery Commissioners.
HILAS ROBY,		
ELI POQUETTE.		

We, the undersigned, having examined the books, accounts and vouchers pertaining to the foregoing report of the Cemetery Commissioners, for the year 1885, find them correct.

MICAH H. STONE,	}	Auditors.
GEO. W. BECKWITH,		
D. A. BRODIE.		

## MARY FLETCHER HOSPITAL.

REPORT OF THE HOSPITAL STAFF, From Nov. 1884, to Nov. 1885.	Admitted.			Discharged.					
	Male.	Female.	Total.	Cured.	Impr'v.	Not Impr'v.	Not Treated.	Died.	Total.
<b>M E D I C A L .</b>									
<i>General Diseases.</i>									
Phthisis Pulmonalis.....	2	4	6	...	5	1	...	...	6
Rheumatism (acute).....	1	1	2	...	1	1	...	...	2
Rheumatism (chronic).....	1	1	2	...	1	1	...	...	2
Intermittent Fever.....	3	...	3	3	...	...	...	...	3
<i>Diseases of the Nervous System.</i>									
Neurasthenia.....	...	2	2	...	1	1	...	...	2
Cerebral Anæmia.....	...	1	1	...	...	...	1	...	1
Lumbago.....	...	1	1	...	1	...	...	...	1
Cerebral Sclerosis.....	...	1	1	...	...	1	...	...	1
Anterior Myelitis.....	...	2	2	...	...	2	...	...	2
Epilepsy.....	...	1	1	1	...	...	...	...	1
Sciatica.....	1	1	2	2	...	...	...	...	2
Locomotor Ataxia.....	1	...	1	...	1	...	...	...	1
<i>Diseases of Intellect.</i>									
Dementia.....	1	...	1	...	...	1	...	...	1
<i>Valvular Diseases of the Heart.</i>									
Mitral.....	...	1	1	...	1	...	...	...	1
Aortic.....	1	...	1	...	...	1	...	...	1
<i>Diseases of Veins.</i>									
Phlegmasia Dolens.....	...	1	1	...	1	1	...	...	1
Varicose Ulcer... ..	1	2	3	3	...	...	...	...	3
<i>Diseases of Pharynx.</i>									
Paryngitis.....	1	...	1	1	...	...	...	...	1
<i>Diseases of Stomach.</i>									
Dyspepsia.....	2	1	3	...	2	1	...	...	3
<i>Diseases of Intestines.</i>									
Constipation.....	...	2	2	...	2	...	...	...	2
<i>Diseases of Liver.</i>									
Hepatic Colic.....	...	2	2	2	...	...	...	...	2
<i>Diseases of Peritoneum.</i>									
Peritonitis (acute).....	...	1	1	1	...	...	...	...	1
Peritonitis (chronic).....	...	1	1	...	1	...	...	...	1
<i>Diseases of Bladder.</i>									
Cystitis.....	1	...	1	...	...	...	1	...	1
Spermatorrhœa.....	1	...	1	...	1	...	...	...	1
<i>Diseases of Ovary.</i>									
Ovaritis.....	...	1	1	...	...	1	...	...	1
Encysted Dropsy.....	...	1	1	...	...	1	...	...	1

<i>Diseases of Uterus.</i>									
Retroversion.....	3	3	3						3
Anteversion. . .	1	1	1						1
Endo-Cervicitis.....	2	2	2						2
Subinvolution.....	3	3	3						3
Endo-metritis . .	1	1	1						1
<i>Functional Diseases of Women.</i>									
Menorrhagia.....	1	1	1						1
Dysmenorrhœa.....	4	4	4						4
<i>Diseases of Broad Ligament.</i>									
Pelvic Cellulitis.....	3	3	3						3
<i>Unclassified Diseases.</i>									
Opium Habit.....	1	1					1		1
Alcoholism . . .	1	1	1						1
General Debility.....	2	2	1	1					2
Total Medical.....	19	48	67	16	36	12	3		067

SURGICAL.	Admitted.			Discharged.					
	Male.	Female.	Total.	Cured.	Impr'v.	Not Impr'v.	Not Treated	Died.	Total.
<i>General Diseases.</i>									
Cancer.....	4	1	5	2	2	1			5
<i>Non-Malignant Tumors.</i>									
Adenoma.....	1	1	1	1					1
Fatty.....	2	2	2	2					2
Syphilis (tertiary).....	2	2	2	2					2
<i>Diseases of Ear.</i>									
Acute Inflammation.....	1	1	1	1					1
<i>Diseases of Jaw.</i>									
Necrosis.....	1	1	1	1					1
Alveolar Abscess.....	1	1	2	2					2
<i>Diseases of Absorbents.</i>									
Inflammation of Glands.....	1	1	1	2					1
<i>Diseases of Upper Extremity.</i>									
Abscess of Hand.....	2	2	2	2					2
Cicatrices.....	1	1	2	2					2
Necrosis.....	2	2	2	2					2
Lacerated wound of Arm.....	1	1	1	1					1
Contusion of Elbow.....	1	1	1	1					1
<i>Diseases of Lower Extremity.</i>									
Fractured Femur (Comp'd).....	1	1	1	1					1
Fractured Femur (Simple).....	1	1	1	1					1
Fractured Neck of Femur.....	1	1	1	1					1
Fractured Tibia.....	1	1	1	1					1
Fractured Fibula.....	1	1	1	1					1
Fractured Patella.....	1	1	1	1					1
Necrosis Femur.....	2	2	2	2					2
Synovitis Knee-joint.....	4	4	4	4					4
Necrosis Tibia.....	1	1	1	1					1
Caries Ankle-joint.....	2	2	2	2					2
Synovitis Ankle-joint.....	1	1	1	1					1
Hydrarthrosis.....	1	1	1	1					1
Abscess Ankle-joint.....	2	2	1	1					2

Necrosis Ankle-joint .....	2	2	2	2	2
Osteo-Sarcoma.....	1	1	1	1	1
Contusion of Knee.....	1	1	1	1	1
Abscess of Foot.....	1	1	1	1	1
Inflammation of Hip-joint. ....	1	1	1	1	1
Talipes (equino-varus).....	1	1	1	1	1
<i>Diseases of Spine.</i>					
Psoas and Lumbar Abscess .....	1	1	1	1	1
<i>Diseases of Uterus.</i>					
Lacerated Cervix....	7	7	5	2	7
Polypus.....	1	1	1	1	1
<i>Diseases of Rectum.</i>					
Fissures.....	1	1	1	1	1
Hemorrhoids ...	1	1	1	1	1
Fistula in Ano ...	1	1	2	2	2
Stricture.....	1	1	1	1	1
<i>Diseases of Perineum.</i>					
Laceration.....	1	1	1	1	1
<i>Diseases of Testicle.</i>					
Cystic Disease.....	1	1	1	1	1
Orchitis.....	1	1	1	1	1
<i>Diseases of Cord.</i>					
Varicocele.....	2	2	2	2	1
<i>Diseases of Penis.</i>					
Phimosis.....	1	1	1	1	1
Epithelioma.....	1	1	1	1	1
<i>Diseases of Male Urethra.</i>					
Stricture.....	1	1	1	1	1
<i>Diseases of Female Urethra.</i>					
Stricture.....	1	1	1	1	1
<i>Diseases of Bladder.</i>					
Cystitis.....	1	1	1	1	1
Calculus.....	1	1	1	1	1
<i>Diseases of Eye.</i>					
Cataract.....	3	4	7	4	3
Iritis.....	3	1	4	3	1
Keratitis.....	1	1	1	1	1
Myopia.....	1	1	1	1	1
Entropion.....	1	1	1	1	1
Granular Lids.....	1	1	1	1	1
Staphyloma.....	2	2	2	2	2
Occlusion of Nasal duct.....	1	1	1	1	1
<i>Diseases of Cutaneous System.</i>					
Eczema.....	2	2	1	1	2
Psoriasis.....	1	1	1	1	1
Sycosis.....	1	1	1	1	1
<i>Unclassified Cases.</i>					
Fracture of Ribs.....	1	1	1	1	1
Scalp Wound.....	1	1	1	1	1
Ulceration of Stump.....	1	1	1	1	1
Hare-lip .....	1	1	1	1	1
Total Surgical.....	63	37	100	62	32
Total Medical.....	19	48	67	16	36
Sum total.....	82	85	167	78	68



SURGICAL OPERATIONS.	Male.	Female.	Total.	Cured.	Relieved.	REMARKS.
<i>Incised—Abscesses.</i>	.5	.1	.6	.4	.1	
<i>Aspirated.</i>						
Psoas.....	.1	..	.1	..	.1	
Of Knee-joint.....	.1	..	.1	..	.1	
<i>Amputations.</i>						
Of Thigh.....	.2	.1	.3	.3	..	
Of Leg.....	.1	..	.1	.1	..	
Of Arm.....	.1	..	.1	.1	..	
Cicatrices, excised.....	.1	.1	.2	..	.2	
Cervix, Laceration of.....	..	.7	.7	.5	.2	
Cataract, Extraction of.....	.3	.4	.7	.4	.3	
Erysipelas, Incised.....	.1	..	.1	.1	..	
Entropion.....	..	.1	.1	..	.1	
Excision of knee.....	..	.1	.1	..	..	Subsequently amputated.
Fissure of Anus.....	..	.1	.1	.1	..	
Fistula in Ano.....	.1	.1	.2	.2	..	
Foreign bodies removed,....	.1	..	.1	.1	..	
Hemorrhoids Ligatured.....	..	.1	.1	.1	..	
Hare-lip.....	.1	..	.1	..	.1	
Lithotomy Recto-vesical....	.1	..	.1	..	.2	
Necrosis Incisions.....	.2	..	.2	..	.1	
Sequestrotomy.....	.9	.3	12	.8	.4	
Phimosis.....	.2	..	.2	.2	..	
Patella, wiring of.....	.2	..	.2	.1	.1	
Perineum, Laceration of....	..	.1	.1	.1	..	
Stricture of rectum, dilated..	.2	..	.2	..	.2	
Stricture of Urethra, dilated..	..	.1	.1	..	.1	
Stricture of Urethra divulsed.	.1	..	.1	..	.1	
Tenotomy for Talipes.....	..	.1	.1	.1	..	
<i>Tumors Excised</i>						
Carcinoma.....	.4	.1	.5	.2	.2	One not relieved.
Adenoma.....	..	.1	.1	.1	..	
Fatty.....	..	.1	.1	.1	..	
Epithelioma.....	.1	..	.1	.1	..	
Varicocele.....	.2	..	.1	.2	..	

Of the foregoing 167 patients that were treated during the year, 130 were residents of Vermont.

Of the 167 cases treated, 50 were treated as charity patients.

Of the 130 cases that were residents of Vermont, 32 were from Burlington, and of these 32 cases, only 2 paid full rates.

Of the remaining 30, 19 were treated free of charge.

The remaining, 11 paid only a nominal sum.

The above tabulated report does not include those treated at the free Medical and Surgical Clinics held in the Hospital Amphitheatre, which cases numbered about 400, many of them from the City.

Many of the City's poor have been treated and have received medicine from the Hospital dispensary gratuitously, and are not included in the above numbers.

It will be noticed that the total number of patients treated during the year exceeds the previous year by 40.

The number of accident cases admitted to the Hospital from surrounding towns, as well as from the City, has been largely in excess of any previous year.

No special event is to be chronicled in the history of the year, except the death of Miss Fletcher, the foundress of the Institution.

Various improvements of a minor character have been made, and much has been done to keep in good repair all parts of the building, which necessarily suffer great wear and tear from the character of the work and the occupants.

The training school for nurses, now in its fourth year, continues its good work with the sick. The standard of seven nurses has been found adequate at most times to the requirements of nursing in the Hospital.

Since the establishment of the school, 14 pupils have finished the required course and received their diplomas.

The course of instruction has been increased and improved in many ways, and the value of hospital work as an educator has been more apparent this than any previous year.

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The friends of the Hospital have continued in many ways their kind benefactions to the patients.

The House Staff gratefully acknowledge the attention of the Clergy, the services of the ladies and gentlemen who sing to the patients on Sunday afternoons, and the generosity of the proprietors of the various newspapers throughout the State, who have so kindly sent them for the benefit of the Hospital.

The hearty support and coöperation of the Attending and Consulting Physicians and Surgeons have been invaluable, and we acknowledge with gratitude our increasing obligations for their aid and counsel.

Respectfully submitted,

J. WESLEY BERRY, M. D.,

House Surgeon.

A. J. WILLARD, M. D.,

Superintendent.

REPORT OF  
HOWARD RELIEF SOCIETY  
FOR 1885.

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It is difficult to report the principal part of the work of the Howard Relief Society, for during the past year, as heretofore, it has consisted not only in aiding those who are in distress for want of food or clothing, or on account of sickness, but in checking imposture and preventing street begging. As a prominent business gentleman kindly expresses it, our work is known by the *absence* of beggary and destitution, and therefore cannot be easily described. We often consult Mr. Greene, the Overseer of the Poor, and are always sure of his co-operation, and aid where it is practicable.

In the report of the Treasurer of the Relief Society, published June 5, 1885, the disbursements for the year were \$434.64. The amount spent for shoes alone was \$196.40. Our special object is to provide clothing for those of our citizens who are too poor to buy it for themselves, and besides the money given to our Society, many charitable persons send their half-worn clothing to our rooms where it is distributed to the families who have been visited and whose necessities are known by our Committee. One hundred and sixteen children who are in the public schools were aided in this way last year. The average attendance of the Industrial School, where the girls were taught sewing, every Saturday afternoon during last winter, was 97, (number of

names 178), 237 garments were made and given to the children. The object of the school is not only to teach the girls to sew neatly and to make garments for themselves, but also by a watchful care to keep them in the public schools; to show them by uniform kindness and wise counsel that the great desire of all the ladies who are connected with this branch of our work is to help them in every way possible to become good women. Most of the instruction devolves upon the different teachers of the classes. One of the most experienced, who has a class of the oldest girls, averaging fourteen years, told me that upon inquiry she found that not one in her class knew whether she lived in Canada or the United States, or that there was any difference between the government of these countries. The necessity of some kind of instruction besides sewing, is evident.

With the boys, we are less fortunate in one respect only, and that is the impossibility of finding any work that will occupy them as quietly as the sewing does the girls, and bring them under the personal supervision of the teachers. Last winter was only an experiment, but with the disadvantage of a cold room, we secured not only the regular attendance of the boys, but a hearty interest and appreciation of the little instruction that was given to them. This winter a Blue Ribbon Society has been organized by Mrs. Clapp, and the members of it promise not to drink intoxicating liquor of any kind. She has the names of 150 boys.

At present all our work is comparatively easy, as we have pleasant, well lighted and well warmed and ventilated rooms. December 2, 1885, Miss Louisa H. Howard presented to the Society a deed of one-third of the Exchange Block building on Church street, giving us, as Mr. Ballard expressed it in his speech of presentation, "a home and



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an income of some \$700 per annum, that will be permanent, and secure a continuous help in our beneficent work. ”

Our gratitude for this gift cannot be expressed, but we know that the name of Miss Louisa H. Howard will be blessed and remembered not only by those in distress and poverty whom her generosity enables us to relieve from suffering, and the children of poor parents who owe their education in the public schools to the watchful care that we are now able to give them, but by all the citizens of Burlington who recognize that the prosperity of the City is aided by the work of the Howard Relief Society.

KATHARINE HAGAR,

Secretary Howard Relief Society.

Mrs. R. M. Clapp, President ; Mrs. Ira P. Russell, Vice-President ; Mrs. Walter Carpenter, Treasurer.

Mrs. A. J. Willard, Mrs. A. C. Abbott, Mrs. H. M. Phelps, Miss Florence Lyman, Miss Elizabeth Lowry, Mrs. George Towle, Mrs. C. N. Mead, Mrs. L. M. Taylor.

January 11, 1886.

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# REPORT

OF THE

## SUPERINTENDENT OF WATER WORKS.

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*To the City Council of the City of Burlington:*

GENTLEMEN :

The following is a statement of the receipts and disbursements of the Burlington City Water Works from January 1, to December 31, 1885.

### RECEIPTS.

From G. D. Weller, City Treasurer.....	\$19,663.28
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### DISBURSEMENTS—CONSTRUCTION.

Service pipes and fittings.....	\$ 513.73
Labor on services.....	490.76
Cast iron pipe, oakum and lead.....	2,011.02
Labor laying mains.....	1,070.79
Gates.....	177.42
Gate and cut-off boxes.....	177.31
Repair of tools.....	20.20
	<hr/> \$ 4,461.23

## C U R R E N T .

Pay rolls.....	\$1,154.62
Materials for management and repairs..	291.00
Office expenses.....	100.40
Printing, advertising and postage.....	61.23
Superintendent's salary.....	1,000.00
Horse-keeping, shoeing and repairs....	228.35
Filling wash-outs.....	56.78
Gate and cut-off boxes.....	400.33
Repair of hydrants.....	48.34
New wagon and harness.....	100.00
New safe for office.....	113.50
Repair of tools.....	32.58
Lowering and protecting services from frost.....	936.17
Incidentals.....	48.40
Replacing cement pipe {	
Pipe.....	2,150.71
Labor.....	1,574.25
Lead, oakum and wood....	225.78
Gates.....	266.83
	-----\$ 8,789.27

## P U M P I N G .

Pay rolls.....	1,968.71
Supplies.....	286.56
Fuel.....	2,626.14
Repairs to machinery.....	91.04
Repairs to buildings, &c.....	18.92
Rent of ground.....	150.00
Boiler insurance.....	90.00
Repairs to motor.....	206.89
Incidentals.....	10.70
	-----\$ 5,448.96

## M E T E R S .

Meters.....	891.93
Repairs, setting and freight.....	71.89
	-----\$ 963.82

## RECAPITULATION.

Construction.....	\$4,461.23
Current.....	8,789.27
Pumping.....	5,448.96
Meters.....	963.82
	<u>\$19,663.28</u>

We hereby certify that we have examined the vouchers and accounts of the Superintendent of Water Works from January 1 to December 31, 1885, and find the same correct.

MICAH H. STONE,  
GEO. W. BECKWITH, } Auditors.  
D. A. BRODIE,

## WATER PUMPED.

1885.	GALLONS.
January.....	14,486,025
February.....	19,231,650
March.....	17,481,775
April.....	15,879,150
May.....	19,657,925
June.....	21,339,800
July.....	19,455,075
August.....	19,066,075
September.....	17,770,000
October.....	16,064,525
November.....	13,864,075
December.....	14,730,250
Total water pumped 1885.....	209,026,325
“ “ “ 1884.....	218,119,850
Decrease in 1885.....	9,093,525

This is the smallest amount pumped in the last six years.

Average daily consumption, 1884.....	595,955
“ “ “ 1885.....	572,674

## SERVICES.

There have been added 110 services of the following sizes :

3.....	4	inch pipe.
2.....	2	“ “
1.....	1½	“ “
1.....	1¼	“ “
8.....	1	“ “
4.....	¾	“ “
91.....	½	“ “

Five services have been discontinued, four of which are replaced by four of the above.

Twenty services on Pine street were disconnected from the cement pipe and attached to the 8 inch iron pipe.

## MAINS.

New mains of four inch cast iron pipe have been laid in the following streets :

Maple street, westerly from Prospect to Summit street.....	423	feet.
Summit street, southerly from Maple street to hydrant.....	25	“
Mansfield avenue, northerly from Colchester avenue to Loomis street.....	1,045	“
Blodgett street, northerly from Strong street to Ward street.....	335	“
Interval avenue, northerly from Archibald street to North Bend street.....	1,169	“
North Bend street, westerly from Interval avenue to pipe laid in 1884.....	1,138	“
Strong street, continued westerly, connecting with North avenue pipe.....	20	“
Crowley street, easterly from North avenue....	300	“
Union street, northerly from College street, connected with 10 inch cement main by 24 ft. 1 inch pipe.....	228	“
Total length of new mains.....	4,683	feet,



The cement pipe in the following streets has been replaced this season—

## WITH 6 INCH CAST IRON PIPE.

Champlain street, southerly from Maple street..	723 feet.
Maple street, easterly from Champlain street to St. Paul street.....	844 “
Champlain street, southerly from Bank street..	204 “
St. Paul street, southerly from Maple street to Spruce street.....	1,296 “
Spruce street, easterly from St. Paul street....	48 “
Spruce street, westerly from Union street.....	20 “
South Union street, southerly from a point 165 feet north of Spruce street to Howard street.....	1,327 “

## WITH 4 INCH CAST IRON PIPE.

Adams street, easterly from St. Paul street.....	43 “
King street, easterly from St. Paul to Church street.....	400 “

Total length of cement pipe replaced .... 4,905 feet.

TABLE OF PIPE NOW IN USE.

Size .....	10	8	6	5	4	3	2	1½	1¼	1	¾	½	Total.
Cement..	7262	.....	12272	2504	57564	21303	.....	.....	.....	.....	.....	.....	100,905
Iron.....	7848	10731	9071	.....	14626	2600	1346	900	240	1260	1205	785	50,612

Total feet pipe..... 151,571

Total miles pipe..... 28.7

## HYDRANTS.

The following hydrants have been removed this season :

LOCATION.		KIND.
Champlain street, south end, under lumber shed.....	1	Nichols Post.
Champlain street at gate to marble mill.....	1	“ Branch
Champlain and Maple, s. e. corner.....	1	“ “
St. Paul and Maple, n. w. corner.....	1	“ “
St. Paul and Spruce, n. e. corner.....	1	“ “
Union and Howard, n. w. corner.....	1	“ “
Church, at King, east side.....	1	“ Post.
Total removed.....	7	

The hydrants set this season are located as follows :

Summit and Maple, s. w. corner.....	1	Lang Post.
Mansfield Ave. and Loomis St. s. w. corner.....	1	“ “
Champlain street, west side, opposite Bobbin Shop.....	1	“ “
Champlain street, west side, opposite yard to Marble Mill.....	1	“ “
Champlain and Maple, s. w. corner.....	1	“ “
St. Paul and Maple, s. w. corner.....	1	Nichols “
St. Paul, west side at Adams.....	1	Lang “
St. Paul and Spruce, n. e. corner.....	1	“ “
Union and Howard, n. w. corner.....	1	“ “
Church and King, n. w. corner.....	1	Nichols “
Total set.....	10	

The number of private hydrants mentioned in last report should have been 21, one of which was removed this season, making the present number.....20

Public hydrants 138, with six removed and ten added.....142

Total hydrants in use.....162

## GATES.

The following gates on old cement pipe have been removed:

Champlain, opposite Marble Mill.....	1	4 inch.
Maple, at Champlain.....	2	3 "
Maple, at Pine.....	2	3 "
Pine, at Maple.....	1	6 "
St. Paul at Adams.....	1	4 "
Adams, at St. Paul.....	1	4 "
Spruce, at St. Paul.....	1	4 "
Spruce, at Union.....	2	4 "
Union, 150 feet south of Spruce.....	1	4 "
Total removed.....	12	

The following gates have been set this season :

Maple at Prospect.....	1	4 inch.
Mansfield avenue at Colchester avenue.....	1	4 "
Maple at west line Champlain.....	1	6 "
Maple at east line Champlain.....	1	6 "
Maple at west line Pine.....	1	6 "
Maple at east line Pine.....	1	6 "
Maple at west line St. Paul.....	1	6 "
St. Paul at north line Adams.....	1	6 "
St. Paul at south line Adams.....	1	6 "
St. Paul at north line Spruce.....	1	6 "
Adams at east line St. Paul.....	1	4 "
Spruce at east line St. Paul.....	1	6 "
Spruce at west line Union.....	1	6 "
Union 165 feet north of Spruce.....	1	4 "
Union at north line Spruce.....	1	6 "
Union at south line Spruce.....	1	6 "
Union at north line proposed street, north of Adams school.....	1	6 "

Union at south line of do.....	1	6 inch.
Union at north line Howard.....	1	6 “
King at east line St. Paul.....	1	4 “
King at west line Church.....	1	4 “
Crowley at east line North avenue.....	1	4 “
Strong at east line North avenue.....	1	4 “
Blodgett at north line Strong.....	1	4 “
Interval avenue at north line Archibald.....	1	4 “
North lumber yard, opposite Oil Tanks.....	1	6 “
Union at St. Paul.....	1	4 “
Pine at B., W., D. & Co.'s Mill.....	1	8 “
Total added.....	28	

TABLE OF GATES NOW IN USE.

Size.....	10	8	6	5	4	3	2	1½	1¼	1¾	1½	Total.
	14	13	39	51	133	53	41	1	1	3	23	251

## CURRENT.

The repairs made during the year have been as follows :

On cement pipe.....	31 breaks.
“ “ “ .....	4 leaks.
“ “ “ .....	1 pick hole.
“ iron “ .....	4 breaks.
“ “ “ .....	6 leaks.
“ service “ .....	27 “
Hydrants broken off by frost.....	2
“ “ .....	4
Gates “ .....	1

The unusual number of breaks and leaks are accounted for in part by the severity of last winter. The mains in some streets and very many service pipes remained frozen for three to four months. To avoid this trouble in the

future 250 services and 5 hydrant branches have been lowered, and protected from frost, by boards and shavings. There have been set this season 144 iron stop boxes, 37 iron gate boxes, 152 wooden stop boxes, 4 wooden hydrant boxes.

#### PUMPING.

The amount of water pumped is the smallest in the last six years, although we have added 408 service and gained 2,000 in population in that time. This can be accounted for partially, by the number of frozen services last winter, and the frequent rains during the summer, but is largely owing to the use of meters and the care taken in preventing the reservoir from overflowing.

Shavings have been used for fuel ten months, and the pumps have been run nights for six and a half months, and during the hot months seven nights per week, to prevent, as far as possible, the alternate wetting and drying of the reservoir slopes.

The pumping station is about in the same condition as previously reported, and it will be a matter of regret if something is not done in the near future to make its appearance and surroundings more creditable to the city.

#### METERS.

There are in use at present 239 meters, a gain of thirty-two over last year. Of this number 190 are owned by individuals, and 49 are the property of the city. The amount of water registered by these meters has been 28,622,599 gallons, the bills for which amount to \$6,672.17. About 14% of the water pumped is used through meters, yielding 23% of the total amount collected.

The use of meters is each year increasing among the best managed water departments in this country, and the



opinion is gaining ground that the fairest and most equitable way of selling water is obtained by their use.

#### RECOMMENDATIONS.

I would earnestly recommend a liberal appropriation toward replacing the cement pipe in the lower parts of the city. Streets have been torn up, sewers demolished, and the cellars to several houses have been filled with water and mud during the year, by the bursting of these pipes, until no one can feel secure from similar annoyance, if they are so unfortunate as to live on a street in which there is a cement water pipe.

The past season six inch pipe has been substituted mostly for three and four inch cement pipe, but when the mains in the north part of the city are replaced, pipes of much larger size should be used, in order to obtain effective fire pressure.

That there may be some system about this work, a plan should be adopted regulating the sizes of pipes to be substituted in the various streets.

The criticism is frequently made that the affairs of the Water Department do not get the attention they should from the Water Committee, owing to the large amount of other business coming before the Board of Aldermen, which is enough to demand what time and attention they can spare from their private business. Most water departments are managed by three or more Water Commissioners, the term of office of one only expiring each year. This could be accomplished here by a charter amendment, and the affairs of the department would then be kept in experienced hands, familiar with its needs and aims, and not frequently entrusted to three inexperienced men, who are so fortunate as to be elected Aldermen, for the first time.

The following statistics suggested by the New England Water Works Association are appended as part of this report.

Respectfully submitted,

F. H. PARKER,

Superintendent.

## Summary of Statistics

SUGGESTED BY THE

## NEW ENGLAND WATER WORKS ASSOCIATION.

Burlington City Water Works,

Burlington, Chittenden County, Vermont.

Population by city census of 1885, 13,357.

Works constructed 1867-8.

Owned by City.

Source of supply, Lake Champlain.

Mode of supply,—pumping.

### PUMPING.

1. Builders of pumping machinery,--H. R. Worthington.
2. Description of fuel. 

<i>a.</i> Anthracite. <i>c.</i> Grate. <i>d.</i> Pittston. <i>e.</i> \$4.05. <i>g.</i> Mill shavings	} 7 weeks. } 45 weeks.
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6. Total pumpage for year, 209,026,325 gallons.
7. Average static head against which pumps work, 289 feet.
8. Average dynamic head against which pumps work, 316 feet.

*Cost of pumping figured on pumping station expense,*  
\$5,448.96.

11. Per million gallons raised against dynamic head into reservoir, \$26.07
12. Per million gallons raised one foot high (dynamic), \$0.0824.

*Cost of pumping figured on total maintenance,*  
\$28,932.23.

13. Per million gallons raised against dynamic head into Reservoir, \$138.41.
14. Per million gallons raised one foot high (dynamic), \$0.438.

## FINANCIAL.

Receipts.	Maintenance.	Expenditures.	
Division I.			
From Consumers :			
A. Water rates, domestic.	\$24,347.27	AA. Management and repairs.	\$14,238.23
B. " " manuf'n'g	2,487.55	BB. Interest on bonds.....	14,694.00
C. Net receipts for water.	26,834.82	CC. Total maintenance for y'r.	28,932.23
D. Misc., coal and grass...	797.27	DD. Balance—to City Treasury.	348.86
E. Total .....	\$27,632.09		
From Public Funds.....			
F. Hydrants.. ....1,200.00			
G. F'n't'ns & parks 75.00			
H. Wat'ring troughs 250.00			
I. Public buildings. 124.00	1,649.00		
K. Gross R'c'pts all sources	\$29,281.09	EE. Total.....	\$29,281.09

## Division II.

From fixed rates	L. Domestic.....	\$19,876.86
	M. Manufacturing.....	285.79
	N. ....	\$20,162.65
From meter rates:	O. Domestic.....	\$ 4,470.41
	P. Manufacturing.....	2,201.76
	Q. ....	\$6,672.17

## CONSTRUCTION.

R. From balance of previous year,	\$1,700.58	FF. Extension mains,	\$3,300.00
T. " appropriation from tax levy,	2,396.04	GG. " services,	1161.23
U. " pipe and labor,...	364 61		
V. Total....	\$4,461.23	KK. Total.....	\$4,461.23

W. Net cost of works to date.....\$511,340.13

\*X Bonded debt at date..... 244,900.00

†Y. Value sinking fund at this date.. 89,404.93

Z. Rate of interest 6%.

\* \$150,000 to be refunded in 1886.

† Toward paying total bonded debt  
of City of.....\$489,900.00.

## CONSUMPTION.

1. Estimated total population at date, 13.357.
2. " " " on lines of pipe at date,  
13,000.
3. Estimated population supplied at date, 12,700.
4. Total number gallons consumed for year, 209,026,325.
5. Passed through domestic meters, 16,885,023 or 8.7%.
6. Passed through manufacturing meters, 11,737,576, or  
5.6%.
7. Average daily consumption, 572,674 gallons.
8. Gallons per day to each inhabitant, 42.8.
9. Gallons per day to each consumer, 45.
10. Gallons per day to each tap, 267.

## DISTRIBUTION.

## MAINS.

1. Kind of pipe cement lined, cast iron, wrought iron,
2. Size, from  $\frac{1}{2}$  inch to 10 inches.
3. Extended 9,588 feet,
4. Discontinued, 4,905 feet.
5. Total now in use 28.7 miles,
6. Cost of repairs per mile, \$35.
7. Number of leaks per mile, 1.5.
8. Small distribution pipes, less  
than 4 inches, total length, 30,449 feet.
9. Hydrants added, 3.
10. Number now in use, 162.
11. Stop gates added, 28.
12. Number now in use, 251.
13. Small stop gates, less than  
4 inches, total 67,
14. Number of blow-off gates, 4.
15. Range of pressure on mains at centre for  
day and night, 70 to 85 lbs.

## SERVICES.

16. galvanized iron, lead.
17. from  $\frac{1}{2}$  inch to 4 inches.
18. 2,389 feet.
19. 143 feet.
20. 11.8 miles.
21. Service taps added, 110.
22. Number now in use, 2145.
23. Average length of service, 29 feet.
24. Average cost of service, \$10.63.
25. Meters added, 32.
26. Number now in use, 239.  
a. domestic, 203.  
b. manufacturing, 36.
27. Motors and elevators added, 1.
28. Number now in use. 5.



# REPORT

## OF THE

# CITY TREASURER.

*To the City Council of the City of Burlington :*

GENTLEMEN :—

I herewith present to you the Twenty-first Annual Report of the City Treasurer, from January 1st, to December 31st, 1885.

### BILLS PAYABLE AS FOLLOWS.

#### B O N D E D D E B T .

Water Bonds, 6s, amount issued	\$255,000.00	
Less redeemed and cancelled	10,100.00	\$244,900.00
Improvement Bonds, 6s, amount issued		\$35,000.00
Refunded Bonds, 5s, amount issued		160,000.00
Liabilities for bonded debt		<u>\$439,900.00</u>

#### L O A N S .

From balance January 1, 1885	\$14,234.22
“ temporary loans	5,000.00
	<u>\$19,234.22</u>

#### E X P E N D I T U R E S .

Paid temporary loans	\$5,000.00
Balance to account of 1886	14,234.22
	<u>\$19,234.22</u>

## RATHBORN FUND.

## R E C E I P T S .

From S. R. Rathborn, for maintenance of his  
burial lot in Green Mount Cemetery..... \$150.00

## BILLS RECEIVABLE AS FOLLOWS.

## LAKE VIEW CEMETERY INVESTMENT.

## R E C E I P T S .

From J. W. Henry's notes.....\$250.00

## E X P E N D I T U R E S

## FOR THE FOLLOWING SECURITIES.

Paid for J. W. Henry's note.....	\$250.00
“ “ City of Burlington 6s, 1886.....	100.00
“ “ J. M. Miller's note.....	1,250.00
“ “ A. Hawernick's note.....	200.00
“ “ Deposit receipt, M. N. Bank.....	275.00
	<hr/>
	\$2,075.00

## ELMWOOD AVENUE CEMETERY.

## R E C E I P T S .

From E. A. Tousley's notes..... \$256.00

## E X P E N D I T U R E S

## FOR THE FOLLOWING SECURITIES.

Paid for E. A. Tousley's note .....	\$384.00
“ “ Allen and Platt's note.....	5,000.00
“ “ Alfred Johnston “ .....	3,000.00
“ “ Edward Stubblefield note.....	2,000.00
“ “ Moses Delibac “ .....	465.00
“ “ Deposit receipt on M. N. Bank .....	1,630.74
	<hr/>
	\$12,479.74

## SINKING FUND INVESTMENT.

## EXPENDITURES

## FOR THE FOLLOWING SECURITIES.

For City of Burlington Bonds, 6s, '86	\$1,250.00
" " " " " 6s, '91	3,000.00
" " " " " 6s, '93	6,600.00
" " " " " 6s, '94	7,000.00
" " " " " 5s, 10-40s	60,000.00
	<u>\$77,850.00</u>

## BURLINGTON AND LAMOILLE RAILROAD.

## EXPENDITURES.

Paid for 1,600 shares of capital stock	\$160,000.00
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## BURLINGTON WATER WORKS.

## CONSTRUCTION.

## RECEIPTS.

From late account January 1, 1885	\$53,779.48
" sales of pipe, fittings and labor	364.61
" appropriation from water taxes	2,396.04
	<u>\$56,540.13</u>

## EXPENDITURES.

From late account January 1, 1885	307,063.90
Paid Wright and Burnham, filling ditch	15.00
" F. H. Parker, Supt.	4,461.23
	<u>\$311,540.13</u>

## CURRENT EXPENSES.

## RECEIPTS.

From balance January 1, 1885.....	\$800.88
“ sales of grass on reservoir lot.....	20.00
“ “ “ coal from pump house.....	777.27
“ appropriation from water taxes.....	14,174.32
	<hr/>
	\$15,772.47

## EXPENDITURES.

Balance, January 1, 1885, transferred to incidental account.....	\$800.88
Paid analysis of water.....	205.50
“ P. Cosgrove, damage by break in water main	27.00
“ Street Department, repairs of breaks.....	184.94
“ A. M. Perry, damage by break in water main	50.00
“ water works, water for office.....	8.00
“ F. H. Parker, Superintendent, for current..	8,789.27
“ “ “ “ “ “ pumping	5,448.96
“ “ “ “ “ “ meters..	257.92
	<hr/>
	\$15,772.47

## WATER METERS.

## RECEIPTS.

From sales of meters.....	\$705.90
“ appropriation from water taxes.....	257.92
	<hr/>
	\$963.82

## EXPENDITURES.

Paid F. H. Parker, Supt. ....	\$963.82
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WATER TAXES.

## R E C E I P T S .

From balance January 1, 1885.....	\$6,514.39
“ collections .....	28,463.82
	<hr/>
	\$34,998.21

## E X P E N D I T U R E S .

Paid water bond interest account.....	\$14,694.00
“ F. H. Parker, Supt. on construction.....	2,396.04
“ “ “ “ “ “ current .....	14,174.32
Transferred to incidental account.....	3,733.85
	<hr/>
	\$34,998.21

## CEMETERY COMMISSIONERS.

## LAKE VIEW CEMETERY.

## R E C E I P T S .

From balance January 1, 1885.....	\$876.72
“ Commissioners sales and care of lots.....	2,879.14
“ interest on cemetery investments.....	92.25
	<hr/>
	\$3,848.11

## E X P E N D I T U R E S .

Paid Cemetery Commissioners' checks.....	\$3,527.66
Unexpended balance.....	320.45
	<hr/>
	\$3,848.11

## ELMWOOD AVENUE CEMETERY.

## R E C E I P T S .

From balance January 1, 1885.....	\$599.31
“ Commissioners' care of lots.....	182.28
“ transfer to Lake View Cemetery, for error in entering checks.....	337.65
“ interest on Cemetery investments.....	560.60
	<hr/>
	\$1,679.84



## EXPENDITURES.

Paid Cemetery Commissioners' checks.....	\$1,294.58
" checks transferred to Lake View .....	337.65
Unexpended balance.....	47.61
	<hr/>
	\$1,679.84

## LAKE VIEW CEMETERY.

## TRUST FUND.

## RECEIPTS.

From L. B. Englesby	Estate .....	\$200.00
" Eli Chittenden	" .....	50.00
" Hatch and Bennett	" .....	100.00
" E. W. Chase	" .....	125.00
" C. Baxter	" .....	1,250.00
" C. L. Burnett.....		100.00
		<hr/>
		\$1,825.00

## ELMWOOD AVENUE CEMETERY.

## TRUST FUND.

## RECEIPTS.

From J. N. Pomeroy's estate .....	\$12,223.74
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## CITY TAX, 1880.

## RECEIPTS.

From collections in 1885.....	\$90.25
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## EXPENDITURES.

Transferred to City tax of 1885 .....	\$90.25
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## CITY TAX, 1882.

## RECEIPTS.

From collections in 1885.....	\$41.70
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## EXPENDITURES.

Transferred to City tax of 1885.....\$41.70

## CITY TAX, 1883.

## RECEIPTS.

From collections in 1885.....146.40

## EXPENDITURES.

Transferred to City tax of 1885.....146.40

## CITY TAX, 1884.

## RECEIPTS.

From collections in 1885.....963.50

## EXPENDITURES.

Transferred to City tax of 1885.....963.50

## CITY TAX, 1885.

## RECEIPTS.

From collections of 1885.....\$64,906.25

“ “ “ 1880-82-83-84..... 1,241.85

-----  
\$66,148.10

Overdraft..... 6,998.42

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\$73,146.52

## EXPENDITURES.

Paid E. W. Peck, Treasurer County tax.....\$ 568.20

“ Appropriation to School Department..... 21,000.00

“ “ “ Fletcher Free Library... 2,200.00

“ “ “ Criminal department.... 4,000.00

“ “ “ Fire department, current 4,475.65

“ “ “ “ Dept. construction. 1,524.35

“ “ “ Health department..... 500.00

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 City Tax 1885—Expenditures continued.

Paid appropriation to Winooski Iron Bridge---	\$12,500.00
“ “ “ Pauper department-----	3,500.00
“ “ “ Interest on Aid Bonds--	8,000.00
“ “ “ Interest on Improvement Bonds-----	2,100.00
“ “ “ Interest on U. S. D. Fund	1,372.94
“ “ “ Street Department for Mansfield avenue----	250.00
“ “ “ Street Department for Clarke street-----	200.00
“ “ “ Street Department for repairs stone crusher--	1,000.00
“ “ “ Sewer Department-----	5,000.00
“ “ “ Street Light Department	4,000.00
“ “ “ H. Greene, overseer, vac- cination-----	250.00
“ “ “ interest on temporary loans-----	705.38
	<hr/>
	\$73,146.52

## CRIMINAL DEPARTMENT.

## RECEIPTS.

From S. Haselton, Judge, fines and costs-----	\$433.39
“ J. W. Russell, Justice, fines and costs-----	150.69
“ W. H. Hare, Justice, fines and costs-----	47.68
“ C. W. Brownell, Jr., Justice, fines and costs--	4.51
	<hr/>
	\$636.27

## EXPENDITURES.

Amount transferred to incidental account-----	\$636.27
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## CRIMINAL AND POLICE DEPARTMENT.

## RECEIPTS.

From Appropriation.....\$4,000.00

## EXPENDITURES.

Balance, January 1, 1885.....	54.98
Paid S. Haselton, Judge, costs in City Court.....	347.12
“ J. W. Russell, Justice, costs.....	143.11
“ W. H. Hare, Justice, costs.....	25.68
“ Jos. Barton, Chief of Police, services.....	747.00
“ Jos. Barton, Chief of Police, salary.....	200.00
“ Jos. Barton boarding prisoners.....	106.00
“ E. S. Adsit, Chief of Police, services and salary.....	2,035.93
“ Burlington Gas Light Co.....	152.40
“ N. E. Telephone Co.....	33.76
“ Wm. Scott, Criminal Docket.....	7.00
“ J. W. Hayes, bill of coal.....	85.50
“ Water Works, for water.....	19.00
	<u>\$3,957.48</u>
Unexpended balance.....	42.52
	<u>\$4,000.00</u>

## DOG LICENSES.

## RECEIPTS.

From W. H. Root, City Clerk.....	\$268.80
“ T. C. Pease, “ “ .....	19.60
	<u>\$288.40</u>

## EXPENDITURES.

Amount transferred to F. F. Library.....\$288.40

## FIRE DEPARTMENT.

## RECEIPTS.

From Water Works, for 100 feet hose.....	\$ 62.50
“ error in H. S. Lane’s bill .....	6.25
“ appropriation from tax.....	4,475.65
	<u>\$4,544.40</u>
Overdraft to balance.....	860.13
	<u>5,404.53</u>

## EXPENDITURES.

Balance January 1, 1885.....	\$ 647.56
Paid L. C. Grant, Chief Engineer, salary.....	100.00
“ “ “ “ “ supplies.....	10.25
“ Boxer Engine Co., current Exp., 3 Qrs.....	143.61
“ Ethan Allen Engine Co., current Exp. ....	240.88
“ Hook and Ladder Co., current Exp. ....	151.48
“ Howard Hose Co., current Exp. 3 Qrs.....	89.75
“ Barnes Hose Co., current Exp.....	151.93
“ Star Hose Co., current Exp. ....	186.06
“ Clipper Hose Co., current Exp. ....	41.70
“ H. S. Lane, repair hose, Ethans and Boxers..	19.50
“ G. S. Blodgett & Co., bill, Ethans, '79-'80-'81	9.65
“ F. W. Burritt, hall rent, Ethans.....	150.00
“ E. M. Sutton, treasurer H. and L.....	9.60
“ Adsit & Bigelow, coal and wood, H. and L..	22.50
“ C. R. Nash, repairs, H. and L.....	7.20
“ Johnson Bros., lanterns, &c., H. and L.....	4.70
“ Edward Videll, H. and L.....	6.00
“ U. Caise, lettering coats, H. & L. and How- ard.....	19.35
“ C. R. Hayward, hall rent, H. and L.....	125.00
“ H. S. Lane, repair hose, Howards.....	19.00
“ Johnson Bros. supplies, Howards.....	4.90

## Fire Department—Expenditures continued.

Paid J. W. Hayes, wood, Howards.....	\$ 4.00
" H. J. Nelson, curtains, Howards.....	3.90
" Munson Bros., stamp, Howards.....	3.30
" G. I. Hagar, supplies, Howards.....	5.75
" J. W. Kelly, repairs, Barnes.....	3.98
" J. R. Booth, lumber, Barnes.....	7.38
" F. Woodworth, spittoons, Barnes.....	10.42
" C. C. Allen & Son, chairs, Barnes.....	12.00
" H. S. Lane, repairs, hose, Stars.....	13.25
" G. L. Linsley, wood, Stars.....	3.50
" Whitcomb & Fuller, insurance, Stars.....	33.75
" E. Woods, hall rent, Stars.....	25.00
" A. Crosby, hose cart, for Boxers.....	200.00
" N. E. Linen Hose Co., for hose.....	423.00
" Eliot, Barnes & Co., for hose.....	530.00
" B. D. Stevens, for 4 lamps.....	7.20
" O. C. Stacy, Livery bill.....	12.00
" Free Press Association, advertising.....	14.00
" E. P. Shaw, for rubber coats.....	83.15
" Smith & Pease, for rubber coats.....	15.37
" J. W. Hayes, for coal.....	104.00
" Water Works, for water.....	1,200.00
" Sherman Band, annual parade.....	45.00
" C. G. Peterson, for cuspadores.....	5.40
	<hr/>
	\$4,925.97

## FIRE ALARM TELEGRAPH.

Paid A. Pevy, supplies.....	\$ 21.00
" A. Adsit, care of.....	50.00
" N. E. Telephone Co., use of poles.....	25.21
" E. Rogers, 2 signal boxes.....	269.00
" H. E. Adams, care of.....	30.00
" G. D. Sherwin, care of.....	83.35
	<hr/>
	\$5,304.53



## FIRE DEPARTMENT—CONSTRUCTION.

## STAR HOSE HOUSE NO. 2.

## R E C E I P T S .

Balance January 1, 1885.....	\$276.52
From sale of old Hose House to Jos. Lambert....	250.00
"    appropriation.....	1,524.35
	<hr/>
	\$2,050.87

## E X P E N D I T U R E S .

Paid on construction, Mayor's warrant 1227.....	\$1,480.41
"    "    "    "    "    1229.....	368.36
"    J. W. and H. W. Brown, on construction.....	6.43
"    G. W. Lee                                    "    ".....	25.00
"    Ferguson & Adsit                            "    ".....	3.16
"    J. E. Spence                                  "    ".....	9.00
"    C. R. Nash, plumbing and sewer.....	158.51
	<hr/>
	\$2,050.87

## FLETCHER FREE LIBRARY.

## R E C E I P T S .

From Dog Licenses for 1884.....	\$281.40
"    "    "    "    1885.....	288.40
"    appropriation from City Tax.....	2,200.00
	<hr/>
	\$2,769.80

## E X P E N D I T U R E S .

Balance January 1, 1885.....	\$36.73
Paid S. Huntington, Treas., Dog Licenses 1884-5.....	569.80
"    J. R. Booth, for lumber.....	55.00
"    J. W. Hayes, invoice of coal.....	104.00
"    Sarah C. Hagar, librarian.....	1,934.93
	<hr/>
	\$2,700.46
Unexpended balance.....	69.34
	<hr/>
	\$2,769.80

## HEALTH DEPARTMENT.

## R E C E I P T S .

From balance January 1, 1885.....	\$26.30
" appropriation from City Tax.....	500.00
" U. A. Woodbury, collected of employees for vaccination.....	5.25
	<u>\$531.55</u>
Overdraft to balance .....	\$1,754.32
	<u>\$2,285.87</u>

## E X P E N D I T U R E S .

Transferred to incidental account for balance...	\$26.30
Paid J. B. Wheeler, Health Officer.....	122.75
" Jo H. Linsley, " " .....	2,009.08
" Free Press Association, for printing.....	97.16
" R. S. Styles, " " .....	14.33
" Safford & Wetherby, " supplies.....	1.75
" G. L. Linsley, " wood .....	6.50
" William Scott, " binding.....	8.00
	<u>\$2,285.87</u>

## IMPROVEMENT OF STREETS AND SEWERS.

## E X P E N D I T U R E S .

For balance January 1, 1885.....	\$35,000.00
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## INCIDENTAL DEPARTMENT.

## R E C E I P T S.

From balance January 1, 1885 .....	\$266.68
" G. W. Lee, for land in rear of Hose House No. 2.	100.00
" unexpended balances covered into Treasury	1,633.58
" receipts from Criminal department for fines and costs .....	636.27
" collections for licences .....	164.00
" Liquor Agency, profit and loss .....	201.14
" appropriation from Water Taxes .....	3,733.85
" land damages and assessments .....	100.00
	<hr/>
	\$6,835.52

## E X P E N D I T U R E S.

Paid R. S. Styles, printing 1200 City Reports ..	\$282.54
" Free Press Association, printing and adver- tising .....	182.78
" M. D. L. Thompson, printing .....	60.50
" C. S. Kinsley, advertising .....	12.00
" C. J. Alger,               " .....	2.00
" M. H. Stone, Auditor .....	25.00
" G. W. Beckwith,       " .....	25.00
" D. A. Brodie,           " .....	25.00
" S. M. Pope, assessor, and clerk hire .....	196.00
" C. A. Sumner, assessor .....	156.00
" M. Noyes,               " .....	141.00
" C. E. Allen,            " .....	30.00
" E. C. Mower,           " .....	16.50
" Clerical services for assessors .....	53.25
" Ward Clerks, for 1884-5 .....	30.00
" E. N. Peck, Quarter-master,—decoration day .....	100.00
" S. Huntington & Co., stationery .....	45.75
" U. A. Woodbury, room rent, March election	10.00
" T. E. Wales, City Attorney .....	395.05
" W. L. Burnap,         "       " .....	130.00
" W. S. Vincent, Committee on decorating City Hall .....	107.69

## Expenditures—Continued.

Paid M. Ward, portrait of Hon. A. L. Catlin....	\$ 75.00
" L. G. Burnham, frame for portrait.....	42.00
" " " " taking census.....	104.85
" E. B. Taft, for paid singers at Gen'l. Grant's Memorial Service.....	28.09
" E. B. Taft, expense to New York to escort the remains of J. P. Howard.....	30.00
" J. H. Finneran, cleaning hose house in Ward 3	3.00
" A. P. Lowell, fitting voting place in Ward 1	4.50
" T. C. Pease, Clerk, making rate bill.....	100.00
" " " " " office expenses.....	10.75
" Howe Scale Co., repairing scales in 18c3...	9.58
" H. C. Smith, horse, posting election notices	3.50
" H. S. Peck, room rent, election in Ward 1.	5.00
" Johnson Bros., globe in Clerk's office....	2.50
" H. H. Atwater, inspection body found on Lake Shore.....	2.00
" N. E. Telephone Co., use of in Clerk's office	36.50
" George H. Morse, Mayor, salary.....	75.00
" Urban A. Woodbury, Mayor, salary.....	225.00
" W. H. Root, City Clerk, salary.....	266.67
" T. C. Pease " " " .....	533.33
" G. D. Weller, City Treasurer, and clerk hire	1200.00
" " " " Treasurer, Office expenses...	47.00
" Burlington Gas Light Co.,.....	22.89
" William Scott, books and binding.....	209.20
" Burlington Water Works, water for troughs	250.00
" A. P. Lowell, repairing chairs.....	5.50
" transfer of Dog Licences of 1884, to Fletcher Free Library.....	281.40
" transfer to Public Buildings.....	381.38
" " " Parks.....	534.98
	<hr/>
	\$6,515.68
Unexpended balance.....	319.84
	<hr/>
	\$6,835.52

## INTEREST ACCOUNT, AS FOLLOWS:

## WATER BONDS.

## R E C E I P T S .

Appropriation from water tax.....	\$14,694.00
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## E X P E N D I T U R E S .

Paid Ninth National Bank of New York .....	\$14,694.00
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## IMPROVEMENT BONDS.

## R E C E I P T S .

Appropriation from City Tax.....	\$2,100.00
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## E X P E N D I T U R E S .

Paid Ninth National Bank of New York.....	\$2,100.00
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## REFUNDED BONDS.

## R E C E I P T S .

Appropriation from City tax.....	\$8,000.00
Balance January 1, 1885.....	4,000.00

## E X P E N D I T U R E S .

Paid Ninth National Bank of New York.....	\$8,000.00
Unexpended balance.....	400.00

## TEMPORARY LOANS.

## R E C E I P T S .

Appropriation from City tax.....	\$705.38
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## E X P E N D I T U R E S .

Paid interest on temporary loans.....	\$705.38
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### SINKING FUND.

## RECEIPTS.

Balance January 1, 1885.....	\$5,745.60
Tax collections.....	1,499.79
Interest account.....	4,469.36
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	\$11,714.75

## UNITED STATES DEPOSIT FUND.

## RECEIPTS.

From appropriation from City tax.....	\$1,372.94
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## EXPENDITURES.

Paid G. D. Weller, Trustee of U. S. D. Fund....	\$1,372.94
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## ELMWOOD AVENUE CEMETERY.

## RECEIPTS.

From interest on loans of Pomeroy Fund.....	\$560.60
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## EXPENDITURES.

Paid Cemetery Commissioners.....	\$560.60
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## LAKE VIEW CEMETERY.

## RECEIPTS.

From interest on loans.....	\$92.25
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## EXPENDITURES.

Paid Cemetery Commissioners.....	\$92.25
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## RATHBORN FUND.

## RECEIPTS.

From interest on loan.....	\$6.75
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## EXPENDITURES.

Paid O. Cole, treasurer Green Mt. Cemetery Asso'n..	\$6.75
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## LAND DAMAGES AND ASSESSMENTS.

## RECEIPTS.

From W. G. Shaw, attorney for owners of land on  
Clarke street for grading and working said  
street, by agreement.....\$100.00

## EXPENDITURES.

Amount transferred to incidental account.....\$100.00

## LICENSE DEPARTMENT.

## RECEIPTS.

From hotels, saloons, auctioneers and carriages....\$104.00  
 " Barnum's Great Show..... 50.00  
 " " Buffalo Bill," Wild West..... 10.00  
 \$164.00

## EXPENDITURES.

Amount transferred to incidental account.....\$164.00

## LIQUOR AGENCY, J. MITCHELL, Agent.

## RECEIPTS.

From sales of liquor.....\$2,153.32  
 " invoice of liquors on hand..... 352.47  
 \$2,505.79

## EXPENDITURES.

Invoice of liquors on hand January 1, 1885.....\$ 396.90  
 Paid J. D. Richards & Sons, invoices..... 397.46  
 " J. A. Webb & Sons, invoices..... 203.54  
 " F. G. Tullidge & Co., invoices..... 196.06  
 " C. Schlessinger & Sons, invoices..... 151.25  
 " H. A. Blanchard & Co., invoices..... 111.63

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Paid J. P. Smith, invoices.....	\$ 20.25
“ Davis, Clark & Co., invoices.....	74.10
“ G. S. Blodgett & Co., repair, stove.....	13.17
“ C. P. Frissell, insurance.....	3.00
“ Burlington Gas Light Company.....	4.29
“ James Mitchell, Agent, salary.....	500.00
“ Public Buildings, rent.....	200.00
“ J. W. Hayes, invoice coal.....	26.00
“ Burlington Water Works, water.....	7.00
	<hr/>
	\$2,304.65
Incidental account, profit and loss.....	201.14
	<hr/>
	\$2,505.79

## LIQUOR AGENCY—NEW ACCOUNT, DR.

Invoice liquors on hand January 1, 1886.....	\$352.47
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## MINISTERIAL FUND.

## RECEIPTS.

From collections of rent.....	\$45.40
Overdraft.....	4.48
	<hr/>
	\$49.88

## EXPENDITURES.

Paid E. Barlow, Treas. First Cong. Society.....	\$24.94
“ H. Hickok, Treas. First Cal. Cong. Society....	24.94
	<hr/>
	\$49.88

## PARKS—CITY, BATTERY AND COLLEGE.

## RECEIPTS.

From appropriation from incidental account.....	\$534.98
Balance January 1, 1885.....	59.40
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	\$594.38

## EXPENDITURES.

Amount transferred to incidental account.....	\$ 59.40
Paid A. R. Dow, Supt., care of.....	102.56
“ A. G. Pierce for tools.....	45.22
“ O. J. Walker Bros., for supplies.....	2.60
“ C. P. Morse, mason work.....	11.50
“ E. A. Smith, painting fountain.....	7.62
“ J. Griffin & Son, work on fountain, City Park.....	12.15
“ “ “ “ “ Battery Park.....	64.79
“ W. E. Whitney, repair, mowers, “ “.....	3.00
“ Burlington Gas Light Company.....	.33
“ J. Black, Supt., work on Battery Park.....	58.21
” ” ” ” City “.....	39.46
” Water Works, for water.....	75.00
” G. D. Weller, Janitor, expenditures City Park.....	46.92
” Thomas Gero care of Battery Park.....	65.62
	<hr/>
	\$594.38

## PAUPER DEPARTMENT.

## RECEIPTS.

From balance January 1, 1885.....	\$736.59
“ appropriation, City Tax.....	3500.00
“ “ for Vaccination.....	250.00
	<hr/>
	\$4,486.59

## EXPENDITURES

Paid Henry Greene, Overseer .....	\$3,401.44
Amount to incidental, for balance to Jan. 1, 1885	736.59
Paid H. Greene, Overseer on vaccination .....	250.00
	<u>\$4,388.03</u>
Unexpended balance .....	98.56
	<u>\$4,486.59</u>

## PUBLIC BUILDINGS.

## RECEIPTS.

From Adsit & Bigelow, office rent .....	\$200.00
“ Burlington Rink Association .....	100.00
“ Liquor Agency .....	200.00
“ G. D. Weller, Janitor, Hall rent .....	277.50
“ Incidental account .....	381.38
	<u>\$1,158.88</u>

## EXPENDITURES

Balance January 1, 1885 .....	\$165.63
Paid Ripley & Holton, for paints .....	2.80
“ Burlington Gas Light Co., .....	113.10
“ “ Water Works, for coal .....	78.06
“ A. P. Lowell, repairs in vault .....	13.05
“ D. L. Beckwith, “ “ City Market .....	16.52
“ J. R. Booth, lumber for Library .....	35.21
“ J. Griffin & Son, repairs on City Hall .....	7.83
“ J. Wakefield, repairs, awnings .....	12.00
“ Z. P. Austin, “ Library .....	95.17
“ Vermont Mutual, insurance on City Market .....	7.88
“ J. W. Kelly, repairs on ceiling .....	6.49
“ Burlington Water Works, water for offices .....	28.00
“ M. R. Spaulding, sprinkling for Public Buildings .....	50.00
“ G. L. Linsley, for wood .....	3.50
“ J. W. Hayes, invoice coal .....	176.80
“ G. D. Weller, Janitor, for care of City Hall .....	318.00
“ “ “ “ “ “ supplies .....	28.84
	<u>\$1,158.88</u>

## SCHOOL DEPARTMENT.

## R E C E I P T S .

Appropriation from City Tax.....	\$21,000.00
From G. D. Weller, trustee U. S. D. Fund.....	1,372.94
“ Rents on leased lands.....	122.08
“ Interest on City Bonds.....	84.00
“ H. O. Wheeler, Superintendent, collected for tuition.....	1,000.07
“ Warrants drawn by Finance Committee for loan.....	10,500.00
	<hr/>
	\$34,079.09

## E X P E N D I T U R E S .

Balance January 1, 1885.....	\$784.62
Paid warrant drawn by Finance Committee for loan.....	10,500.00
“ Warrant drawn by Finance Committee for current.....	22,434.35
“ Warrant drawn by Finance Committee on interest on loan.....	210.25
	<hr/>
	\$33,929.22
Unexpended balance.....	\$149.87

## SCHOOL FUND. RENTS.

## R E C E I P T S .

From Collection of Rent on leased lands.....	\$145.35
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## E X P E N D I T U R E S .

Paid School Department, transfer.....	122.08
“ J. E. Smith, Treasurer, South Burlington.....	23.27
	<hr/>
	\$145.35

## SEWER DEPARTMENT.

## R E C E I P T S .

From Balance January 1, 1885-----	\$20.69
“ Collections on Sewer Assessments-----	3,074.60
“ Appropriation from City Tax-----	5,000.00
	<u>\$8,095.29</u>

## E X P E N D I T U R E S .

Paid Burlington Manufacturing Co., land damages	\$750.00
“ L. J. Smith, serving citations-----	17.44
“ A. R. Dow, Superintendent construction--	490.49
“ John Black, “ “-----	6,525.97
Unexpended balance-----	311.39
	<u>\$8,095.29</u>

## SINKING FUND.

## R E C E I P T S .

From Balance January 1, 1885-----	\$77,850.00
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## STATE TAX, 1885.

## E X P E N D I T U R E S .

Paid W. H. DuBois, State Treasurer, Warrant for State Tax-----	\$7,607.91
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## STREET DEPARTMENT.

## R E C E I P T S .

From balance January 1, 1885.....	\$ 1,293.28
“ collection of highway tax of 1885.....	14,751.42
“ “ of highway taxes of 1880-2-3-4.....	166.83
“ appropriation from City tax, for repairs stone crusher.....	1,000.00
“ “ from City tax, for grading Mansfield avenue.....	250.00
“ “ from City tax, for grading Clarke street.....	200.00
	<hr/>
	\$17,661.53
Overdraft to balance.....	20.87
	<hr/>
	\$17,682.40

## E X P E N D I T U R E S .

Paid A. R. Dow, Supt.....	\$73,315.17
“ John Black, Supt.....	14,313.40
“ J. W. Hayes, invoice coal.....	33.70
“ Water Works, water for office.....	7.00
“ Vermont Mutual Insurance Co., on bridges.....	13.13
	<hr/>
	\$17,682.40

## WINOOSKI IRON BRIDGE.

## R E C E I P T S .

Appropriation from City tax.....	\$12,500.00
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## E X P E N D I T U R E S .

Paid R. S. Styles, printing proposals.....	\$24.50
“ V. G. Barbour, Engineer, expenses to Boston.....	32.25
“ R. F. Hawkins, for substructure.....	6,948.67
“ J. Black, Supt, for temporary bridges.....	1,906.20
	<hr/>
	\$8,911.62
Unexpended balance.....	3,588.38
	<hr/>
	\$12,500.00

## STREET LIGHT DEPARTMENT.

## RECEIPTS.

Balance January 1, 1885.....	\$ 10.41
Appropriation from City tax.....	4,000.00
Overdraft to balance.....	203.62
	<hr/>
	\$4,214.03

## EXPENDITURES.

Balances transferred to incidental account.....	\$ 10.41
Paid Burlington Gas Light Company, lighting....	2,148.97
Paid Globe Gas Light Company, lighting 11 mos.	1,748.97
“ A. R. Dow, Supt. care of.....	42.75
“ John Black, Supt., care of.....	262.93
	<hr/>
	\$4,214.03

## TAX COLLECTIONS, 1880.

## RECEIPTS.

From L. J. Smith, Constable.....	\$100.00
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## EXPENDITURES.

Transferred to City tax collections.....	\$ 90.25
“ highway tax “ .....	8.50
“ Sinking Fund tax collections.....	1.25
	<hr/>
	\$100.00

## TAX COLLECTIONS, 1882.

## RECEIPTS.

From L. J. Smith, Constable.....	\$55.58
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## EXPENDITURES.

Transferred to City tax collections.....	\$41.70
“ “ Highway tax collections.....	11.10
“ “ Sinking Fund tax collections.....	2.78
	<hr/>
	\$55.58

## TAX COLLECTIONS, 1883.

## RECEIPTS.

From L. J. Smith, Constable.....\$180.95

## EXPENDITURES.

Transferred to City tax.....\$146.40  
 " " Highway tax.....29.61  
 " " Sinking Fund tax.....4.94  
 \$180.95

## TAX COLLECTIONS, 1884.

## RECEIPTS.

From L. J. Smith, Constable.....\$1,005.32  
 " City Treasurer.....91.48  
 \$1,096.80

## EXPENDITURES.

Transferred to City tax.....\$ 963.50  
 " " highway tax.....117.62  
 " " Sinking Fund tax.....15.68  
 \$1,096.80

## TAX COLLECTIONS, 1885.

## RECEIPTS.

From Collections by City Treasurer.....\$80,411.85  
 " " " L. J. Smith, Constable....793.12  
 \$81,204.97  
 Balance.....79.93  
 \$81,284.90

## EXPENDITURES.

Paid refunded taxes for errors.....152.09  
 Transferred to City tax.....64,906.25  
 " " highway tax.....14,751.42  
 " " Sinking Fund tax.....1,475.14  
 \$81,284.90

City Treasurer's  
Balance Sheet for 1885.

## REPORT OF CITY TREASURER.

## City Treasurer's Balance Sheet for the Year 1885.

	Expenditures.	Receipts.	Dr. Balance.	Cr. Balance.
Bills Payable, Water Bonds .....	\$ 10,100.00	\$255,000.00	.....	\$244,900.00
Bills Payable, Improvement Bonds.....	.....	35,000.00	.....	35,000.00
Bills Payable, Refunded Bonds.....	.....	160,000.00	.....	160,000.00
Bills Payable, Loans .....	5,000.00	19,234.22	.....	14,234.22
Bills Payable, Rathborn Fund.....	.....	150.00	.....	150.00
Bills Receivable, Lake View Cemetery Investment.....	2,075.00	250.00	.....	1,825.00
Bills Receivable, Elmwood Avenue Cemetery Investment.....	12,479.74	256.00	.....	12,223.74
Bills Receivable, Sinking Fund Investment.....	77,850.00	.....	.....	77,850.00
Burlington and Lamolite Railroad Capital Stock.....	160,000.00	.....	.....	160,000.00
Burlington Water Works, Construction.....	311,540.13	56,540.13	.....	255,000.00
Burlington Water Works, Current.....	15,772.47	15,772.47	.....	.....
Burlington Water Taxes, Collections.....	34,998.21	34,998.21	.....	.....
Cemetery Commissioners, Lake View.....	3,527.66	3,848.11	.....	320.45
Cemetery Fund, Lake View.....	1,632.23	1,679.84	.....	47.61
Cemetery Fund, Elmwood Avenue.....	.....	1,825.00	.....	1,825.00
Cemetery Fund, Elmwood Avenue.....	.....	12,223.74	.....	12,223.74
City Tax, 1880.....	90.25	90.25	.....	.....
City Tax, 1882.....	41.70	41.70	.....	.....
City Tax, 1883.....	146.40	146.40	.....	.....
City Tax, 1884.....	963.50	963.50	.....	.....
City Tax, 1885.....	73,146.52	66,148.10	.....	.....
Criminal and Police Department.....	4,593.75	4,636.27	.....	6,998.42
Dog Licenses .....	288.40	288.40	.....	42.52
Fire Department, Construction.....	2,050.87	2,050.87	.....	.....
Fire Department, Current.....	5,404.53	4,544.40	.....	860.13
Fletcher Free Library.....	2,700.46	2,769.80	.....	69.34
Health Department.....	2,285.87	531.55	.....	1,754.32
Improvement of Streets and Sewers.....	35,000.00	.....	.....	35,000.00
Incidental Department .....	6,515.68	6,835.52	.....	319.84
Interest Account Water Bonds .....	14,694.00	14,694.00	.....	.....
Interest Account, Improvement Bonds.....	2,100.00	2,100.00	.....	.....
Interest Account, Refunding Bonds.....	8,000.00	12,000.00	.....	4,000.00

# REPORT OF CITY TREASURER.

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Interest Account, Sinking Fund....	705.38	11,714.75	11,714.75
Interest Account, Temporary Loans	1,372.94		
Interest Account, U. S. D.	560.60		
Interest Account, Elmwood Avenue Cemetery	92.25		
Interest Account, Lake View Cemetery	6.75		
Interest Account, Rathborn Fund	100.00		
Land Damages and Assessments	164.00		
Licenses Department	2,505.79		
Liquor Agency, J. Mitchell, Agent	352.47	352.47	
Liquor Agency, New Account	49.88	45.40	4.48
Ministerial Fund	594.38	594.38	
Parks, City and Battery	4,388.03	4,486.59	98.56
Pauper Department	1,158.88	1,158.88	
Public Buildings	33,929.22	34,079.09	149.87
School Department	145.35	145.35	
School Fund, Rent on Lease Lands	7,783.90	8,095.29	311.39
Sewer Department		77,850.00	77,850.00
Sinking Fund	7,607.91	7,607.91	
State Tax, 1885	17,682.40	17,661.53	20.87
Street Department	4,214.03	4,010.41	203.62
Street Light Department	100.00	100.00	
Tax, Collections, 1880	55.58	55.58	
Tax Collections, 1882	180.95	180.95	
Tax Collections, 1883	1,096.80	1,096.80	
Tax Collections, 1884	81,284.90	81,204.97	79.93
Tax Collections, 1885	963.82	963.82	
Water Meters	8,911.62	12,500.00	3,588.38
Winooski Iron Bridge	7,064.78	7,064.78	
Cash Balance			
Total	\$976,069.98	\$976,069.98	\$566,845.67

Burlington, Vt., December 31st, 1885.

G. D. WELLER, City Treasurer.

We have examined the foregoing account of the City Treasurer, together with the vouchers for the items of each department, and find them correct.

MICAH H. STONE,  
GEO. W. BECKWITH, } Auditors.  
D. A. BRODIE.



# Mayor's Estimates.

*To the Honorable Board of Aldermen :*

GENTLEMEN :

I herewith present a statement showing the financial condition of the City at the close of business, December 31st, 1885, with an estimate of the probable expenses for the current year :

## ASSETS.

Cash on hand.....	\$7,064.78
Uncollected taxes, 1884.....	411.66
“ “ 1885.....	2,069.73
“ sewer assessments, 1885.....	2,147.35
“ water rates, 1885.....	798.71
“ rents, public buildings, 1885.....	300.00
	<hr/>
	\$12,792.23

## LIABILITIES.

Due Sinking Fund.....	\$11,714.75
“ Cemetery Commissioners.....	368.06
“ School Department.....	149.87
	<hr/>
	\$12,232.68
Surplus over liabilities.....	\$559.55

At the time the City tax was levied in 1885, the amount of State tax for that year was not known, so could not be included in our tax levy. Subsequently the State Treasurer made a requisition upon us for \$7,607.91. I thought it not wise to levy a special tax to meet this requisition, on account of the large expense attending its collection, and it was paid from funds in the Treasurer's hands. If it had not been so paid the surplus would have been \$8,167.47 instead of \$559.55.

## ESTIMATED RECEIPTS, 1886.

Water rates.....	\$28,000.00
Rent of public buildings.....	600.00
Criminal department.....	600.00
Licenses.....	150.00
	<u>\$29,350.00</u>

## ESTIMATED EXPENSES.

For salaries.....	\$ 2,500.00
Pauper department.....	3,500.00
Fletcher Free Library.....	2,200.00
Criminal and Police.....	4,000.00
Fire Department.....	5,000.00
Public buildings and Parks.....	1,800.00
Street lights.....	4,500.00
Health Department.....	900.00
Water Department.....	14,000.00
Sewers.....	3,000.00
County tax.....	568.20
Schools.....	21,000.00
Winooski bridge.....	6,300.00
Incidental fund.....	3,500.00
	<u>\$72,768.20</u>
Interest on bonded debt.....	\$23,294.00
“ “ U. S. Deposit fund.....	1,396.21
“ “ Temporary loans.....	600.00
	<u>—————\$25,290.21</u>
	<u>\$98,058.41</u>
Less estimated receipts.....	\$29,350.00
“ surplus.....	559.55
	<u>—————\$29,909.55</u>
Amount to be provided for by tax.....	\$68,148.86

Our present Grand List is \$76,079.06, and probably will be larger this year. Ninety cents would raise \$68,471.15 ; 15 cents highway tax ; 5 cents Sinking fund—110 cents.

Heretofore the difference between the Mayor's estimates and the amount finally raised has been considerable, but I believe that my estimates are large enough, and that we can and ought to get along with a tax of 110 cents.

Moderate taxation encourages new business enterprises, and induces honest returns of property by tax-payers.

The interest account is lessened \$1,500, as \$150,000 of water bonds 6s become due and are to be paid by refunding, July 1st next. These bonds can be refunded readily at 4%, and I think at  $3\frac{1}{2}\%$  at par and possibly at 3%, as our credit is deservedly high. Of the appropriation for the Winooski bridge in 1885, \$3,588.38 was unexpended December 31st, 1885. The estimate of \$6,300 to complete it is but \$2,711.62 over the original appropriation. In this estimate of amount needed to complete the bridge the amount due from the town of Colchester is taken into account.

The Treasurer's account shows in detail the expenses of the various departments, and the condition of our bonded indebtedness and sinking fund, to which I refer you for information.

Respectfully yours,

U. A. WOODBURY, Mayor.

Burlington, Vt., Feb. 1, 1886.

## ORDINANCE.

AN ORDINANCE IN RELATION TO THE CONSTRUCTION  
OF SIDEWALKS ON BOTH SIDES OF PEARL STREET  
FROM PROSPECT STREET TO WILLARD STREET,  
FLAGGING THE SAME AND GUTTERING  
SAID STREET ON BOTH SIDES THEREOF.

*It is hereby ordained by the City Council of the City of  
Burlington, as follows :*

SEC. 1. The owners of lands or buildings abutting upon said Pearl street in the City of Burlington from the intersection thereof with Prospect street to its interscction with Willard street—72 rods, more or less, on both sides of said Pearl street, are hereby ordered and directed to construct a sidewalk in front of their respective lands or premises and buildings, on the established grade of said City, wrought (or to be wrought by the City) ; 5 feet wide, of the first quality of blue stone flagging and to curb said street with regulation size of blue stone curbing, as established by ordinance—or not less than four inches thick, nor less than 18 inches in width, properly set in sand—said sidewalk to slope not less than one-fourth of one inch to one foot towards the center of said street. The said curbing to be set in a line seventeen and one-half feet north and south respectively from the center line of said street, another gutter to be of the usual width and inclination as on other guttered streets of the city and as required by rules and ordinances now in force in said City. The flagging to be laid on the north side as near as may be to 3 feet south of the fences along

said street or upon such line as the City Engineer may designate when there are changes in the street lines or shade trees that might be injured by a strict adherence to the said line so designated.

On the south side of said Pearl street the said flagging to be laid 8 feet north of said south street-line with same exceptions or changes of street-lines and shade trees. All to be done and completed within 30 days from and after the time when this ordinance takes effect.

SEC. 2. All ordinances and parts of ordinances inconsistent with this ordinance are hereby repealed.

Read three times in the Board of Aldermen and passed under suspension of Rule 11, June 8th, 1885.

Approved June 9th, 1885.

U. A. WOODBURY, Mayor.

Attest, T. C. PEASE, Clerk.

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## ORDINANCE.

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AN ORDINANCE IN RELATION TO THE CONSTRUCTION  
OF SIDEWALKS ON BOTH SIDES OF PEARL STREET  
FROM UNION STREET TO CHURCH STREET, FLAG-  
GING THE SAME AND CURBING AND GUTTER-  
ING SAID STREET ON BOTH SIDES THERE-  
OF BETWEEN SAID POINTS.

*It is hereby ordained by the City Council of the City of  
Burlington, Vt., as follows :*

SEC. 1. The owners of lands or buildings abutting upon said Pearl street in the City of Burlington, Vermont, from Union street to Church street are hereby ordered and directed to construct a sidewalk in front of their property on both sides of said Pearl street, on the established grade of said City, four feet wide of the first quality of blue stone flagging and to curb said street between said points with regulation size of blue stone curbing, on both sides, as established by ordinance and not less than four inches in thickness nor less than eighteen inches in width properly set in sand ; said sidewalk to slope not less than one-fourth of one inch to one foot toward the center of said street. Said curbing shall be set in a line seventeen and one-half feet north and south respectively from the center of said street, and the gutter to be of the usual width and inclination as on other streets in said city and as required by the rules and ordinances of said city.



The flagging to be laid on the north side two feet from the northerly boundary line of said street and on the south side two feet from the southerly boundary line of said street, and all said work shall be done and finished within thirty days from and after the time when this ordinance takes effect.

SEC. 2. All ordinances and parts of ordinances inconsistent with this ordinance are hereby repealed.

Read three times in the Board of Aldermen and passed under suspension of Rule 11, June 22, 1885.

Approved June 23, 1885.

E. B. TAFT, Acting Mayor.

Attest, T. C. PEASE, Clerk.

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## ORDINANCE.

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AN ORDINANCE IN RELATION TO THE CONSTRUCTION  
OF SIDEWALKS ON BOTH SIDES OF WINOOSKI  
AVENUE FROM PEARL STREET TO GRANT  
STREET, FLAGGING AND CURBING SAID  
STREET ON BOTH SIDES THEREOF BE-  
TWEEN SAID POINTS.

*It is hereby ordained by the City Council of the City of  
Burlington, as follows:*

SEC. 1. The owners of lands or buildings abutting upon said Winooski avenue in the City of Burlington, Vermont, from Pearl street to Grant street are hereby ordered and directed to construct a sidewalk in front of their property on both sides of said Winooski avenue on the established grade of said city four feet wide of the first quality of blue stone flagging and to curb said street between said points with regulation size of blue stone curbing on both sides as established by ordinance and not less than four inches in thickness nor less than eighteen inches in width; said sidewalk to slope not less than one-fourth of one inch to one foot towards the center of said street. Said curbing to be set in a line seventeen and one-half feet east and west respectively from the center of said street.

The flagging to be laid on the west side two feet from the westerly boundary line of said street and on the east side

two feet from the easterly boundary line of said street, and all said work to be done and finished within thirty days from and after the time when this ordinance takes effect.

SEC. 2. All ordinances and parts of ordinances inconsistent with this ordinance are hereby repealed.

Read three times in the Board of Aldermen and passed under suspension of Rule 11, July 13th, 1885.

Approved July 14, 1885.

U. A. WOODBURY, Mayor.

Attest, T. C. PEASE, Clerk.

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ORDINANCE.

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AN ORDINANCE IN RELATION TO THE CONSTRUCTION  
OF SIDEWALKS ON BOTH SIDES OF PEARL STREET  
FROM WILLARD STREET TO UNION STREET  
FLAGGING THE SAME AND CURBING AND  
GUTTERING SAID STREET ON BOTH  
SIDES THEREOF BETWEEN SAID  
POINTS.

*It is hereby ordained by the City Council of the City of  
Burlington, as follows :*

SEC. 1. The owners of lands or buildings abutting upon said Pearl street in the City of Burlington, Vermont, from Willard street to Union street are hereby ordered and directed to construct a sidewalk in front of their property on both sides of said Pearl street, on the established grade of said city, four feet wide of the first quality of blue stone flagging and to curb said street between said points with regulation size of blue stone curbing on both sides, as established by ordinance, and not less than four inches in thickness nor less than eighteen inches in width properly set in sand ; said sidewalk to slope not less than one-fourth of one inch to one foot towards the center of said street.

Said curbing shall be set in a line seventeen and one-half feet north and south respectively from the center of said street and the gutter to be of the usual width and in-

clination as on other streets in said city, and as required by the rules and ordinances of said city.

The flagging to be laid on the north side two feet from the northerly boundary line of said street, as near as may be without injury to shade trees, and on the south side two feet from the southerly boundary line of said street, (as near as may be without injury to shade trees), and all said work shall be done and finished within thirty days from and after the time when this ordinance takes effect.

SEC. 2. All ordinances and parts of ordinances inconsistent with this ordinance are hereby repealed.

Read three times in the Board of Aldermen and passed under suspension of Rule 11, August 10, 1885.

Approved August 11, 1885.

U. A. WOODBURY, Mayor.

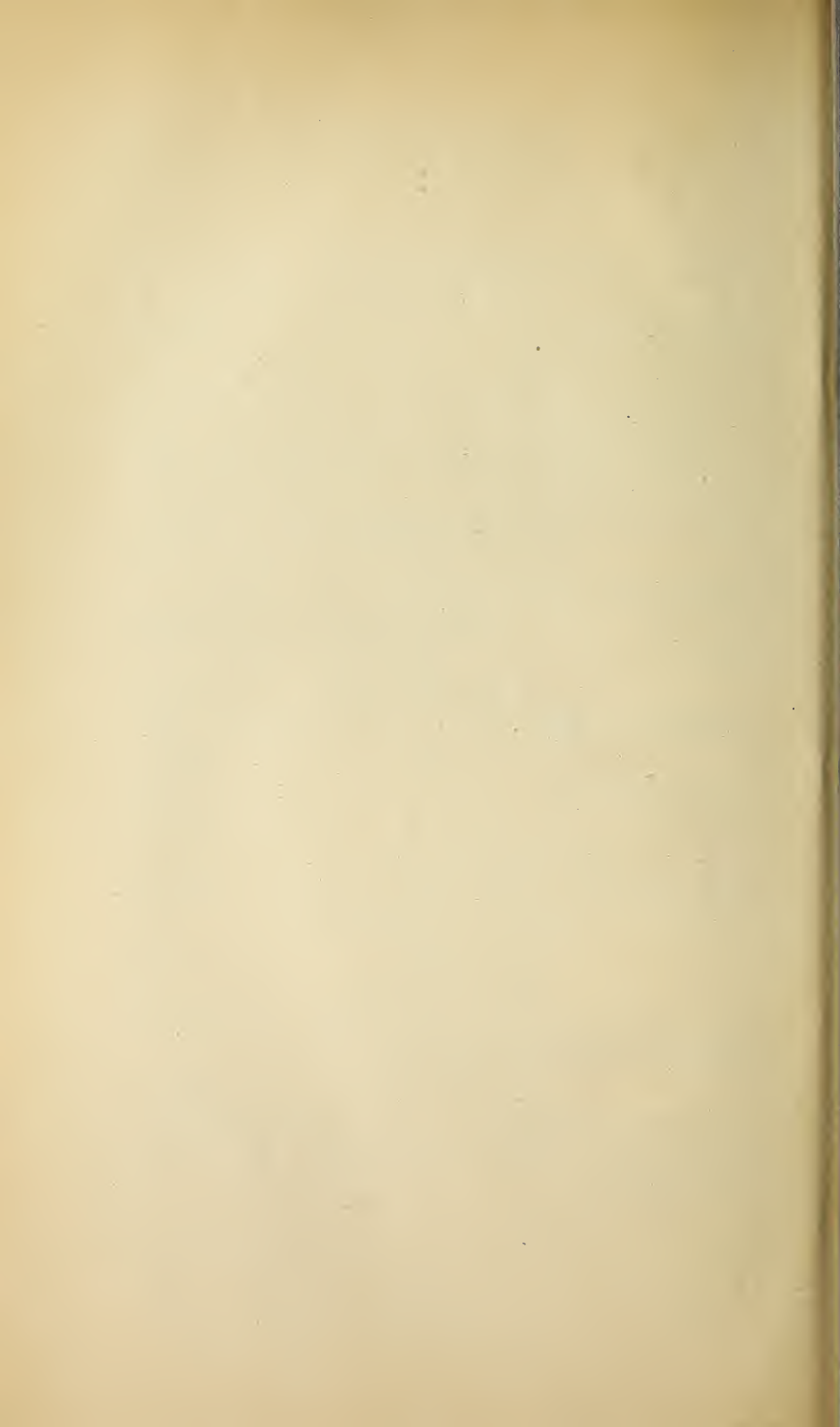
Attest, T. C. PEASE, Clerk.

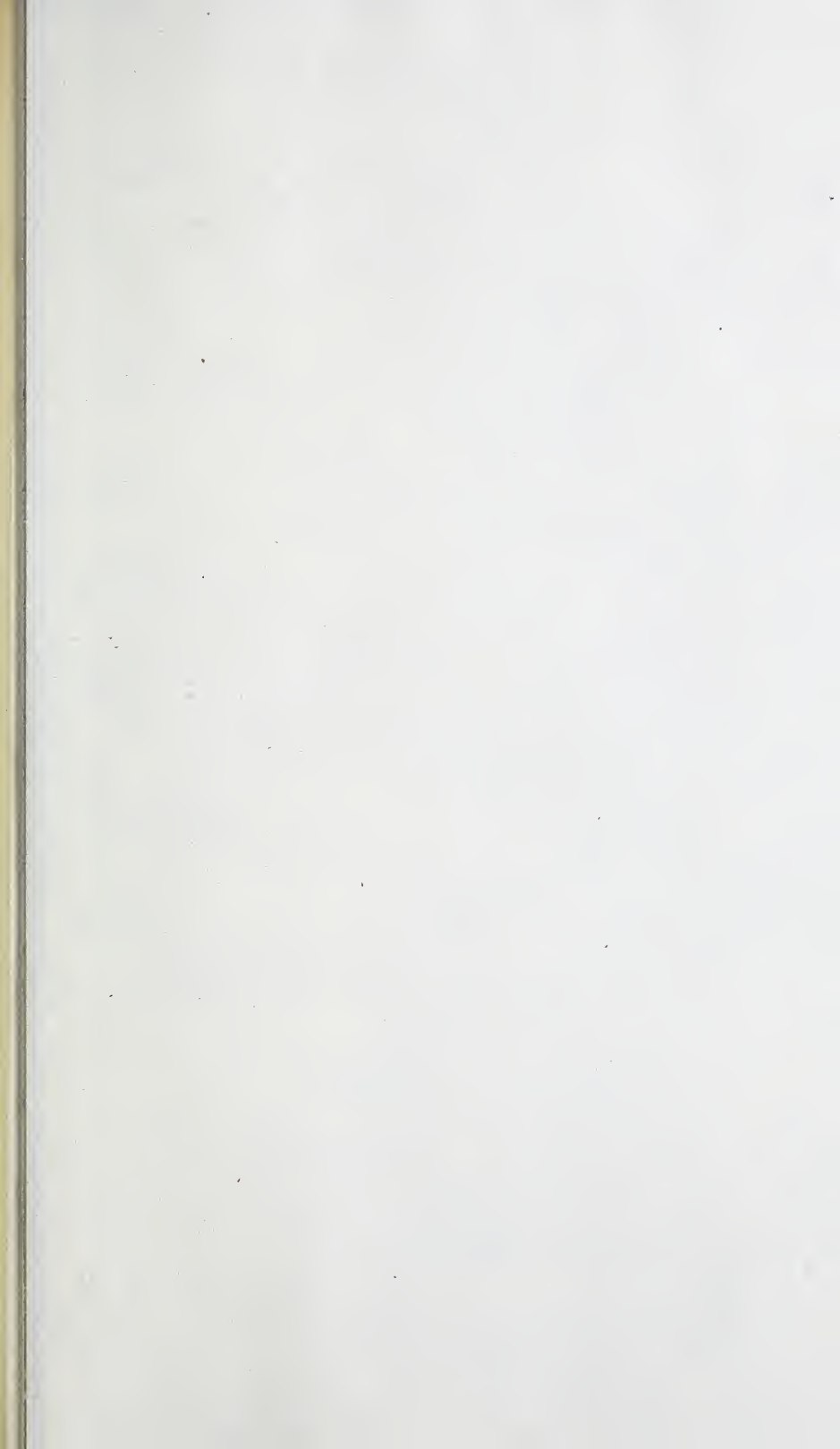
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